



# Research Products and Services for Immunology

Custom services; monoclonal antibodies  
and recombinant antigens; ELISA and  
ELISpot kits

Manufactured by Diaclone SAS  
Part of Medix Biochemica  
Besançon, France

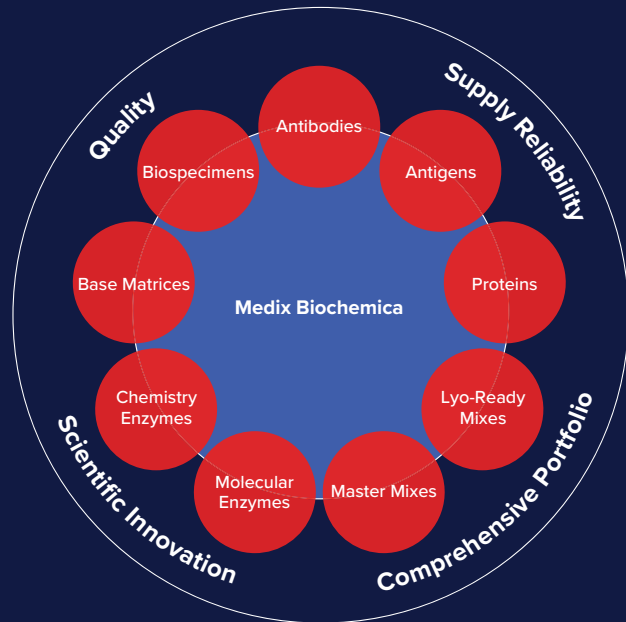
**Medix Biochemica**

# Introduction

## Independent, International, Industry-leading

Medix Biochemica is a global leader in the in vitro diagnostics (IVD) industry, known for its high-quality raw materials and innovative solutions. Established in Finland in 1985, the company has grown to serve customers worldwide, with a presence in North America, Europe, and China.

With a vision to become the first-choice raw material partner for the IVD industry, Medix Biochemica continues to expand its capabilities and global reach. The company operates seven international centers of excellence, each focusing on different aspects of IVD requirements. This global network enables Medix Biochemica to deliver its products and services efficiently to customers around the world.



# Our Research Tools

While IVD customers are a main focus, Medix Biochemica also aims to meet the needs of customers in biopharma and academic research. The company recognizes the importance of these three industries working together for future breakthroughs in advancing human health. The sites in France (Diaclone) and Germany (myPOLs) were included in the Medix Biochemica family as they are especially equipped to meet the needs of these R&D groups and non-IVD customers.

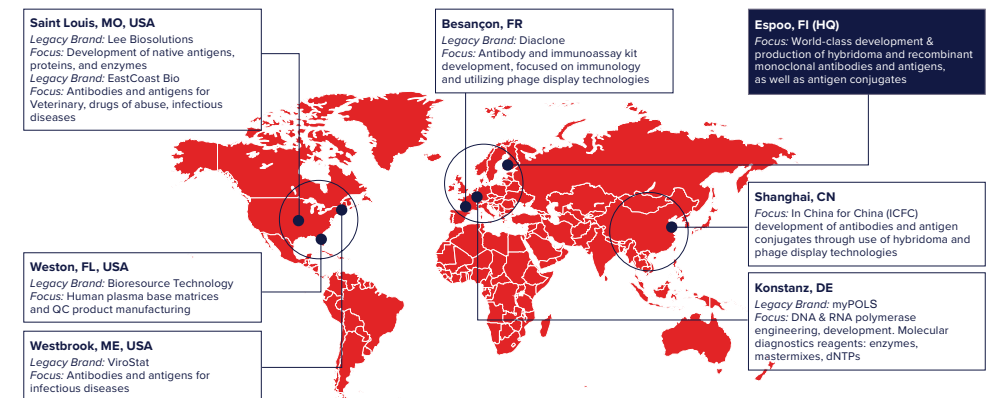
With more than 35 years of experience and expertise, high quality is the hallmark of Diaclone, part of Medix Biochemica, firmly establishing us as a center of excellence in monoclonal antibody research and immunoassay kit development. The expanding range of our immunology products is specifically designed to advance research,

preclinical and diagnostic applications in the fields of immunotherapy & oncology, vaccinology, allergy, autoimmune diseases, amongst others.

We are committed to the highest level of quality in the design, development, manufacture and support of all our products and services.

- Extensive and proven experience
- Large catalogue of products
- Custom development and manufacturing
- Responsiveness to reduce risks
- Flexibility to suit your needs
- Communication / consultation – defined milestones
- Direct contact for technical assistance
- ISO 9001:2015 certified facilities

## Fast Track Your Research



# Services

## Immunization: mouse, llama

### Monoclonal antibodies development

- hybridoma: mouse
- phage display: mouse, llama, chicken, rabbit and guinea pig (in development)

### Monoclonal antibodies engineering

- isotype switch
- antibody reformatting
- antibody fragment: Fab, ScFv, VHH and Diabody
- switch hybridoma to recombinant

### Bulk antibody production

### Antibody conjugation

### Antigens development: mammalian system

### Freeze-drying

## Bioassay

- ADCC (Antibody-Dependent Cellular Cytotoxicity)
- CDC (Complement-Dependent Cytotoxicity)
- ADCP (Antibody-Dependent Cellular Phagocytosis)
- Cell proliferation assay
- Cytokine synthesis

## Kinetic and affinity characterization (Octet)

### Flow cytometry service

### Enzyme linked assay

- ELISA microtiter plate coating
- ELISA design/customization
- ELISpot plate reading
- ELISpot design/customization



\*Credit For Increasing Research Activities = R&D tax credit accredited



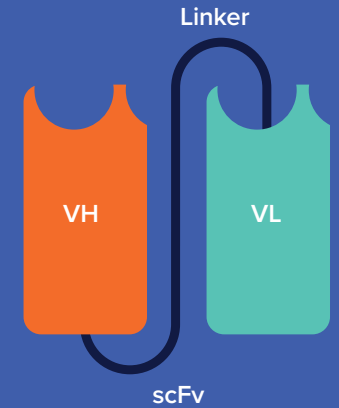
Ask us for our custom services questionnaire!

By giving us information about your goal, you help us choose the best scientific approach that will give you optimal results.

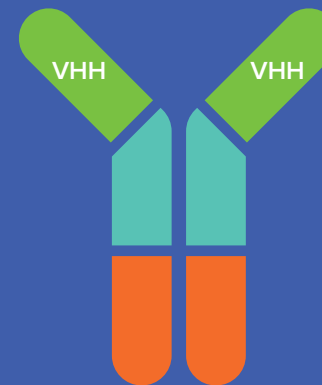
Or get it directly on [www.medixbiochemica.com](http://www.medixbiochemica.com)

# What Diaclone Brings for CAR/CAR-T Development?

- Robust phage display technology
- scFv immune library to speed up the early phase of discovery in CAR development
  - High affinity ScFv generation followed by CAR/CAR-T design and construction
  - Molecular biology engineering to design bispecific CAR-T
- Large range of mAbs related to inflammation as « tank » for potential new CAR or CAR-T cells development (CD4, CD8, CD38, CD19, CD123, BCMA...)
- Custom development of antigen for CAR/ CAR-T transduction/functionality assessment



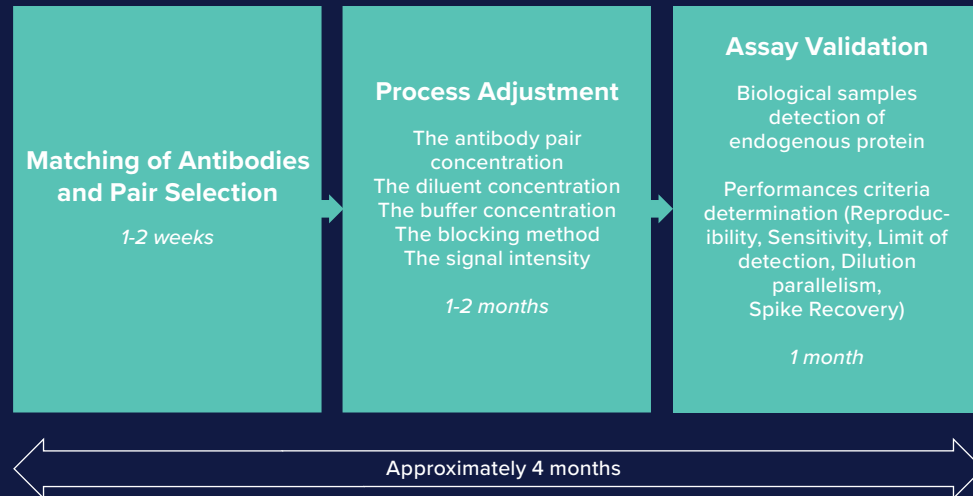
# Development of VHH Anti-murine IFNg:



Camelidae Antibody

- Antibody fragment design: VHH, VHH-Fc
- Llama phage display approach is another alternative to develop mab against difficult targets (with low immunogenicity)
- Fast track development (no more than 2 months after immunization end to have recombinant candidates to test)
- VHH can be good substitutes to polyclonal rabbit serum in ELISpot applications

# Development of Your Custom ELISA Kit



If you don't have any antibody, our R&D team can also develop antibodies to find a pair.



## Products

### Monoclonal Antibodies

- 8 Monoclonal Antibodies
- 17 Isotype Controls
- 17 Antibodies with Biological Activity

### Recombinant Antigens

- 20 Recombinant Human Proteins
- 20 Recombinant Human Cytokines
- 21 Recombinant Human SARS-CoV-2 Antigens

### ELISA

- 24 ELISA pairs
- 25 ELISA

### ELISpot

- 31 ELISpot
- 32 Dual ELISpot

# Monoclonal Antibodies

Our monoclonal antibodies are highly specific, high quality mouse monoclonal antibodies for the detection of a broad range of human proteins.

These antibodies can be utilized over an extensive application range including flow cytometry, immunohistochemistry, Western blot, immunoprecipitation, ELISA, ELISpot and biological assays.

- Available for intracellular and cell surface analysis.
- Can recognize both recombinant and natural proteins acting as neutralizing, agonistic and enhancer antibodies.
- Affinity purified antibodies available in a variety of formats including azide free and purified unlabelled antibodies.
- Isotype controls available to assess non-specific binding in assays.
- Custom manufacturing and bulk volume options available.

Format	Size	Catalogue Number (see listings)
Azide free	200 µg / 200 µl	xxx.xxx.000
	500 µg / 500 µl	xxx.xxx.005
Unconjugated	200 tests/2ml or 100µg/100µl	xxx.xxx.020

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
Ang-2	ANGPT-2	B-C57	IgG2b	855.960.00X		ELISA
Ang-2	ANGPT-2	B-G60	IgG1	855.970.00X		ELISA
BIOTIN		B-E24	IgG1	857.060.00X		ELISA, IHC, WB
CD1a		HI149	IgG1		853.153.020	FC, IHC
CD1b/c		B-B5	IgG1	854.000.00X	854.003.020	FC
CD2	LFA-2	B-E2	IgG2b	852.500.00X	852.503.020	FA, FC, IHC
CD3		B-B11	IgG1	854.010.00X	854.013.020	FA, FC
CD4		B-A1	IgG2a	854.030.00X	854.033.020	FA, FC, IHC
CD5		B-B8	IgG1	854.040.00X	854.043.020	FC, IHC
CD6		B-F3	IgG1	854.050.00X	854.053.020	FC
CD7		B-F12	IgG1	854.060.00X	854.063.020	FC
CD8		B-Z31	IgG2a	854.960.00X	854.963.020	FC, IHC
CD9		TS9	IgG1	857.750.00X		FC, IP, WB
CD10		B-E3	IgG2a	854.090.00X	854.093.020	FA, FC, IHC
CD11a	LFA-1	B-B15	IgG1	852.510.00X	852.513.020	FC
CD11b	MAC-1	MEM-174	IgG2a		853.163.020	FC, IP
CD11c	Integrin a X	BU15	IgG1		853.383.020	FC, IHC, IP
CD13		B-F10	IgG1	854.100.00X	854.103.020	FC
CD14		B-A8	IgG1	854.110.00X	854.113.020	ELISA, FC

# Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
CD15		MEM-158	IgM		853.183.020	FC, IP
CD16		B-E16	IgG2a	854.130.00X	854.133.020	FC
CD18		MEM48	IgG1	852.540.00X	852.543.020	FC, IHC, IP, WB
CD19		B-C3	IgG1	854.140.00X	854.143.020	FC
CD20		B-H20	IgG2a	854.150.00X	854.153.020	FA, FC
CD21		B-E5	IgG2a	854.160.00X	854.163.020	FA, FC
CD21		B-C6	IgG1	853.600.00X		ELISA
CD21		B-D6	IgG1	854.170.00X		ELISA
CD22		MEM-01	IgG1		853.193.020	FC, IP, WB
CD23		B-G6	IgG1	854.190.00X	854.193.020	IHC, FC
CD25	IL-2R	B-B10	IgG1	852.000.00X		FA, FC, IHC
CD25	IL-2R	B-F2	IgG1	852.010.00X	852.013.020	ELISA, FA, FC, IHC
CD25	IL-2R	B-G3	IgG1	852.020.00X		ELISA, FC
CD27		LT27	IgG2a		853.343.020	FC
CD28		B-T3	IgG2a	854.220.00X	854.223.020	FA, FC, IHC
CD29		B-D15	IgG2a	852.550.00X	852.553.020	IHC, FC
CD30		MEM-268	IgG1		853.203.020	FC, IHC
CD31	PECAM-1	B-B38	IgG1	852.560.00X	852.563.020	ELISA, FC
CD31	PECAM-1	B-N14	IgG1	853.710.00X		ELISA
CD33		HIM3-4	IgG1		853.273.020	FC
CD34 Class I		B-G25	IgG1	854.240.00X	854.243.020	FA, FC
CD34 Class I		B-C34	IgG1	854.590.00X	854.593.020	FC
CD34 Class III		B-F23	IgG1	854.260.00X	854.263.020	IHC, FC
CD35		UJ11	IgG1		853.403.020	ELISA, FC, IHC, IP
CD36		TR9	IgG1		853.213.020	FC
CD38		B-E60	IgG2a	857.920.00X		FC
CD40		B-B20	IgG1	854.280.00X	854.283.020	FA, FC, IHC
CD41		MEM-06	IgG1		853.353.020	FC
CD41a	GP11b	HIP8	IgG1		853.223.020	FC, IHC
CD43		MEM-59	IgG1		853.243.020	FC, IHC, IP, WB
CD44	PGP-1	B-F24	IgG1	852.600.00X	852.603.020	ELISA, FA, FC, IP
CD44	PGP-1	B-R8	IgG1	853.790.00X		ELISA
CD45		B-A11	IgG1	854.300.00X	854.303.020	FC
CD45RA		B-C15	IgG1	854.320.00X	854.323.020	FC, IHC

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
CD45RO		UCHL1	IgG2a		854.333.020	FC, IHC, IP
CD48	BLAST-1	B-P59	IgG2a	857.440.00X	857.443.020	FC
CD50	ICAM-3	B-R1	IgG1	852.670.00X	852.673.020	ELISA, FC, IP
CD50	ICAM-3	B-P12	IgG1	853.760.00X		ELISA
CD53		TS53	IgG1	857.760.00X		FC, IP, WB
CD54	ICAM-1	B-H17	IgG1	852.690.00X	852.693.020	ELISA, FA, FC, IP
CD54	ICAM-1	B-H22	IgG1	853.680.00X		ELISA
CD55		MEM-118	IgM		853.373.020	FC, IP
CD56	NCAM	B-A19	IgG1	852.700.00X	852.703.020	FC
CD57		NC1	IgM		853.463.020	FC
CD58		B-L28	IgG1	854.630.00X	854.633.020	FC
CD59		MEM43	IgG2a	854.360.00X	854.363.020	FC, IHC, IP
CD62E	E-Selectin	B-P7	IgG1	852.730.00X		ELISA
CD62E	E-Selectin	B-S3	IgG1	853.810.00X		ELISA
CD62L	L-Selectin	B-S13	IgG1	852.780.00X	852.783.020	ELISA, FC
CD62P	P-Selectin	B-F46	IgG1	855.400.00X	855.403.020	ELISA, FC
CD62P	P-Selectin	B-G43	IgG2b	855.390.00X		ELISA
CD63		TS63	IgG1	857.770.00X		FC, IP, WB
CD64		B-T44	IgG2b	857.120.00X	857.123.020	FC
CD66a		B-D60	IgG1		855.413.020	FC
CD71		B-G24	IgG1	854.390.00X	854.393.020	FC
CD75		B-L5	IgM	854.420.00X	854.423.020	FC
CD80	BB1 / B7	MEM-233	IgG1		853.253.020	FC, IP
CD81		TS81	IgG2a	857.780.00X		FC, IP, WB
CD82		B-L2	IgG1	854.440.00X	854.443.020	FC, IHC
CD82		TS82b	IgG1	857.790.00X		FC, IP, WB
CD86	B7-2	B-T7	IgG1	854.450.00X	854.453.020	ELISA, FA, FC
CD86	B7-2	B-S7	IgG1	853.830.00X		ELISA
CD94	Kp43 / KLRD1	B-D49	IgG1	855.800.00X	855.803.020	FC, IHC
CD95	FAS	B-G27	IgG2a	853.000.00X	853.003.020	FA, FC, IHC
CD95	FAS	B-D29	IgG1	853.030.00X		ELISA, FA
CD99		B-N24	IgG1	854.610.00X	854.613.020	FC
CD102	ICAM-2	B-T1	IgG1	852.760.00X	852.763.020	ELISA, FA, FC, IP

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
CD102	ICAM-2	B-R7	IgG1	853.780.00X		ELISA
CD105	Endoglin	B-A55	IgG1	857.810.00X	857.813.020	ELISA, FC, WB
CD105	Endoglin	B-H45	IgG1	857.820.00X		ELISA
CD105	Endoglin	MEM-226	IgG2a		853.263.020	FC, IP, WB
CD106	VCAM-1	B-K9	IgG1	852.770.00X		FA
CD106	VCAM-1	B-N8	IgG1	853.700.00X		ELISA
CD106	VCAM-1	B-S6	IgG1	853.820.00X	853.823.020	ELISA, FC
CD107a		B-T47	IgG1	852.900.00X	852.903.020	FC
CD109		B-E47	IgG1	854.570.00X	854.573.020	FC
CD112		B-C12	IgG2b	857.000.00X	857.003.020	ELISA, FC, IP
CD117	c-kit	B-K15	IgG1	854.510.00X	854.513.020	ELISA, FA, FC
CD117	c-kit	B-N20	IgG1	853.730.00X		ELISA
CD123		B-V8	IgG2a	857.230.00X	857.233.020	FC
CD126	IL-6R	B-R6	IgG1	852.030.00X	852.033.020	ELISA, FA, FC, IHC, IP
CD126	IL-6R	B-F19	IgG1	852.040.00X		ELISA, FC, IHC
CD126	IL-6R	B-N12	IgG1	852.050.00X		ELISA, FC
CD130	gp130	B-R3	IgG2a	852.060.00X	852.063.020	ELISA, FA, FC, IHC
CD130	gp130	B-K5	IgG1	852.070.00X		FA, FC
CD130	gp130	B-P8	IgG1	852.080.00X		ELISA, FA, FC, IHC, IP
CD130	gp130	B-P4	IgG1	852.090.00X		ELISA, FA, FC, IHC, IP, WB
CD130	gp130	B-K11	IgG2b	852.100.00X		ELISA, FC, IP
CD130	gp130	B-S12	IgG1	852.110.00X		ELISA, FA, FC, IHC, IP, WB
CD130	gp130	B-T2	IgG1	853.860.00X		ELISA
CD138	Syndecan-1	B-D30	IgG1	853.630.00X		ELISA
CD138	Syndecan-1	B-A38	IgG1	854.070.000	854.073.020	ELISA, FC, IHC
CD141	Thrombomodulin	B-A35	IgG1	854.580.00X	854.583.020	ELISA, FC
CD141	Thrombomodulin	B-S24	IgG1	853.850.00X		ELISA
CD146	MCAM	B-T46	IgG1	857.630.00X	857.633.020	FC, WB
CD151	TA-3	B-E31	IgG1	854.530.00X	854.533.020	FC
CD154	CD40L	B-B29	IgG2a	854.290.00X	854.293.020	FC
CD156c	ADAM-10	11G2	IgG1	857.800.00X		FC, IP, WB
CD161	KLRB1 / NKR	B-D51	IgG1	855.820.00X		FC

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
CD171	L1CAM	B-L51	IgG1	857.320.00X	857.323.020	ELISA, FC, WB
CD171	L1CAM	B-R48	IgG1	857.370.00X		ELISA
CD178	FAS-L	B-R17	IgG1	853.070.00X	853.073.020	ELISA, FA, FC
CD178	FAS-L	B-B34	IgG2a	853.590.00X		ELISA
CD184		B-R24	IgG1	854.600.00X	854.603.020	FA, FC
CD196	CCR6	B-R35	IgG2a	855.910.00X	855.913.020	FC
CD202b	TEK /Tie-2	B-B48	IgG2	854.710.00X	854.713.020	FA, FC
CD213a2	IL-13Ra2	B-D13	IgG1	852.120.00X		ELISA, FC, IHC
CD213a2	IL-13Ra2	B-A34	IgG1	853.960.00X		ELISA
CD218a	IL-18Ra	B-E43	IgG1	854.900.00X	854.903.020	ELISA, FA, FC
CD218b	IL-18Rb	B-B46	IgG1	854.910.00X		ELISA, FA
CD226	DNAM-1	B-G51	IgG2a	857.360.00X	857.363.020	ELISA, FC
CD226	DNAM-1	B-T40	IgG2b	857.350.00X		ELISA
CD253	TRAIL	B-S23	IgG1	853.080.00X	853.083.020	ELISA, FA, FC
CD253	TRAIL	B-T24	IgG1	853.090.00X		ELISA, FA, FC
CD261	DR4/TRAIL R1	B-N36	IgG1	854.850.00X	854.853.020	ELISA, FA, FC
CD261	DR4/TRAIL R1	B-N28	IgG1	852.980.00X		IP, WB
CD261	DR4/TRAIL R1	B-T35	IgG1	853.890.00X		ELISA
CD262	DR5/TRAIL R2	B-K29	IgG1	854.860.00X	854.863.020	ELISA, FA, FC
CD262	DR5/TRAIL R2	B-D37	IgG2b	854.870.00X		ELISA, FA, FC, IP
CD263	DcR1/TRAIL R3	B-D44	IgG1	854.890.00X	854.893.020	FA, FC
CD263	DcR1/TRAIL R3	B-H47	IgG1	852.990.00X		ELISA, WB
CD263	DcR1/TRAIL R3	B-N29	IgG1	853.740.00X		ELISA
CD264	DcR2/TRAIL R4	B-P30	IgG1	853.130.00X		IP, WB
CD264	DcR2/TRAIL R4	B-L34	IgG1	853.690.00X		ELISA
CD264	DcR2/TRAIL R4	B-T32	IgG1	853.880.00X		ELISA
CD269	BCMA	B-B54	IgG1	857.410.00X	857.413.020	FC
CD326	EpCam	B-K46	IgG1	857.625.00X		ELISA
CD326	EpCam	B-P43	IgG1	857.626.00X		ELISA, WB
CD326	EpCam	B-E54	IgG1	857.830.00X	857.833.020	FC
CD335	NKp46 / NCR1	B-N40	IgG1		855.433.020	FC
CD335	NKp46 / NCR1	B-L46	IgG2a	855.490.00X		FA
CD336	NKp44 / NCR2	B-N44	IgG1	855.810.00X		FC
CD337	NKp30 / NCR3	B-S30	IgG2b	855.650.00X	855.653.020	FC

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
CD366	TIM-3	B-K48	IgG1	857.860.00X	857.863.020	ELISA, FC
CD366	TIM-3	B-N43	IgG1	857.300.00X		ELISA
CD366	TIM-3	B-E55	IgG1	857.310.00X		ELISA
CX3CL1	Fractalkine	B-F51	IgG2a	857.420.00X	857.423.020	ELISA, FC
CX3CL1	Fractalkine	B-K49	IgG1	857.430.00X		ELISA
cMyc		9E10	IgG1		855.313.020	WB
DLL4		B-D59	IgG1	857.050.00X	857.053.020	FC
FGF2		B-G58	IgG1	857.180.00X		ELISA
FGF2		B-T42	IgG2a	857.190.00X		ELISA
Galectin-1		B-H41	IgG1	857.990.00X		ELISA
Galectin-1		B-F49	IgG1	857.100.00X		ELISA
Galectin-3	LGALS3 / MAC2	B-S43	IgG2a	855.610.00X	855.613.020	ELISA, FC
Galectin-3	LGALS3 / MAC2	B-E53	IgG1	855.620.00X		ELISA
Galectin-8		B-Z18	IgG2a	857.010.00X	857.013.020	ELISA, FC
Galectin-8		B-S36	IgG1	857.690.00X		ELISA
Galectin-9	Ecalectin / LGALS9	B-T33	IgG2b	857.940.00X	857.943.020	ELISA, FC
Galectin-9	Ecalectin / LGALS9	B-K38	IgG1	855.870.00X		ELISA
Galectin-10	CLC	B-F42	IgG1	852.960.00X	852.963.020	ELISA, FC, IHC
Galectin-10	CLC	B-G54	IgG1	857.840.00X		ELISA
GM-CSF		B-Z13	IgG1	855.690.00X		ELISA
GM-CSF		B-S37	IgG1	855.700.00X		ELISA
Granulysin	NKG5 / LAG-2	B-L38	IgG1	855.540.00X	855.543.020	ELISA, FC
Granulysin	NKG5 / LAG-2	B-R32	IgG2b	855.550.00X		ELISA
HBP	CAP 37/Azurocidin	B-K37	IgG1	855.440.00X		ELISA
HBP	CAP 37/Azurocidin	B-R37	IgG2b	855.500.00X		ELISA
HBP	CAP 37/Azurocidin	B-P37	IgG2b	855.510.00X		ELISA
HLA Class I		W6/32	IgG2a	857.220.00X	857.223.020	FA, FC, IP
HLA Class II(DQ)		B-K27	IgG2a	857.210.00X	857.213.020	IP, FC
HLA Class II(DR)		B-F1	IgG1	857.030.00X	857.033.020	IP, FC
HLA Class II(DR)		B-C10	IgG2b	857.930.00X	857.933.020	FC
I-TAC		B-K43	IgG2a	857.650.00X		ELISA

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
I-TAC		B-S40	IgG1	857.700.00X		ELISA
IFN-α2a	IFN-alpha2a	B-Z38	IgG1	857.900.00X		ELISA
IFN-α2a	IFN-alpha2a	B-N42	IgG1	857.910.00X		ELISA
IFN-γ	IFNg	B-B1	IgG1	855.000.00X		ELISA, ELISpot, FA, FC, IHC
IFN-γ	IFNg	B-G1	IgG1	853.670.00X		ELISA, ELISpot
IL1RAP		B-L43	IgG1	857.090.00X	857.093.020	ELISA, FC
IL1RAP		B-R58	IgG1	857.110.00X	857.113.020	ELISA, FC
IL-1β	IL-1b	B-A15	IgG1	855.010.00X		ELISA, ELISpot, FA, FC
IL-1β	IL-1b	B-B53	IgG1	855.260.00X		ELISA, WB
IL-2		B-G5	IgG1	855.020.00X		ELISA, ELISpot, FA, FC, WB
IL-4		B-S4	IgG1	855.030.00X		IHC
IL-4		B-G28	IgG1	855.170.00X		ELISA, FC
IL-4		B-R14	IgG1	853.800.00X		ELISA, ELISpot
IL-5		B-Z25	Rat IgG2a	857.850.00X		ELISA
IL-6		B-E4	IgG2b	857.730.00X		ELISA
IL-6		B-E8	IgG1	855.050.00X		ELISA, ELISpot, FA, FC
IL-6		B-F6	IgG1	855.060.00X		ELISA, IHC, WB
IL-7		B-N18	IgG1	853.720.00X		ELISA
IL-7		B-S16	IgG1	853.840.00X		ELISA
IL-8		B-K8	IgG1	855.080.00X		ELISA, FA, FC
IL-8		B-B49	IgG1	857.170.00X		ELISA
IL-10		B-S10	IgG1	855.100.00X		ELISA, FA, IHC
IL-10		B-T10	IgG2b	853.870.00X		ELISA, ELISpot
IL-12 p35		B-T21	IgG1	855.120.00X		ELISA, FA
IL-12 p40		B-P24	IgG1	855.130.00X		ELISA, ELISpot, FC
IL-12 p40		B-P40	IgG1	855.180.00X		ELISA
IL-13		B-B13	IgG1	855.140.00X		ELISA, FA, FC
IL-13		B-P6	IgG1	853.750.00X		ELISA, ELISpot
IL-15		B-E29	IgG1	855.220.00X		ELISA, FA
IL-17A		B-B51	IgG1	853.910.00X		ELISA, ELISpot, FA
IL-17A		B-A50	IgG2b		853.943.020	FC
IL-17A		B-C49	IgG2b	853.950.00X		ELISA, ELISpot
IL-17B		B-B57	IgG1	857.240.00X		ELISA

## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
IL-17B		B-B58	IgG2a	857.250.00X		ELISA
IL-17C		B-A60	IgG1	857.670.00X		ELISA
IL-17C		B-Z17	IgG1	857.710.00X		ELISA
IL-17F		B-C52	IgG1	855.560.00X	855.563.020	FC
IL-17F		B-F60	IgG2b	855.360.00X		ELISA, ELISpot, FA
IL-17F		B-G46	IgG2b	853.990.00X		ELISA, ELISpot
IL-21		B-Z16	IgG1	855.830.00X		ELISA
IL-21		B-P41	IgG1	855.840.00X		ELISA
IL-23		B-Z23	IgG1	853.920.00X		ELISA, FA, IHC
IL-23		B-F43	IgG1	853.930.00X		ELISA
IL-24	MDA-7	B-C60	IgG2b	855.630.00X		ELISA
IL-24	MDA-7	B-C51	IgG2a	855.640.00X		ELISA
IL-24	MDA-7	B-C54	IgG2a	855.680.00X		ELISA
IL-27		B-G49	IgG2a	855.300.00X	855.303.020	ELISA, FC
IL-27		B-G44	IgG1	853.970.00X		ELISA
IL-28A		B-H44	IgG1	857.640.00X		ELISA
IL-28A		B-Z28	IgG2a	857.660.00X		ELISA
IL-28B		B-L48	IgG1	857.680.00X		ELISA
IL-28B		B-Z22	IgG1	857.270.00X		ELISA
IL-29	Interferon lambda 1	B-S29	IgG2b	855.860.00X		ELISA
IL-29	Interferon lambda 1	B-Z29	IgG2a	855.880.00X		ELISA
IL-31		B-S31	IgG1	855.450.00X		ELISA
IL-31		B-A51	IgG2b	855.460.00X		ELISA
IL-32		B-B52	IgG2b	855.890.00X		ELISA
IL-32		B-K42	IgG1	855.900.00X		ELISA
IL-33		B-L33	IgG1	855.470.00X		ELISA
IL-33		B-S33	IgG1	855.480.00X		ELISA
IL-34		B-R34	IgG1	855.980.00X		ELISA
IL-34		B-Z34	IgG1	855.990.00X		ELISA
IL-35		B-P35	IgG1	855.660.00X		ELISA
IL-35		B-S35	IgG1	855.670.00X		ELISA
IL-37		B-N37	IgG1	857.890.00X		ELISA
IL-37		B-P47	IgG1	857.200.00X		ELISA



## Monoclonal Antibodies

Specificity (Anti-Human)	Antigen Synonym	Clone	Isotype	Azide Free	Unconjugated	Applications
IP-10	CXCL10	B-C50	IgG2a	853.570.00X	853.573.020	ELISA, FC
IP-10	CXCL10	B-C55	IgG2a	855.420.00X		ELISA
LL-37	CAMP / CAP18	B-T37	IgG1	857.960.00X	857.963.020	ELISA, FC
LL-37	CAMP / CAP18	B-L47	IgG2a	857.970.00X		ELISA
LL-37	CAMP / CAP18	B-F57	IgG1	857.980.00X		ELISA, WB
LRRC15	LIB	B-G53	IgG2b	857.400.00X	857.443.020	FC
MCP-1	CCL2 / JE	B-K41	IgG1	855.570.00X		ELISA
MCP-1	CCL2 / JE	B-Z21	IgG1	855.580.00X		ELISA
MICA		B-N31	IgG1	855.380.00X		ELISA
MICA		B-Z26	IgG1	855.370.00X	855.373.020	ELISA, FC
MICB		B-D55	IgG1	855.530.00X		ELISA
MICB		B-D54	IgG1	855.520.00X		ELISA, FC
NTR1		B-N6	IgM	857.040.00X	857.043.020	FA, FC
p53		B-P3	IgG2a	853.040.00X		ELISA, FC, IHC, IP, WB
p53		B-F34	IgG2b	853.660.00X		ELISA
Perforin		B-E48	IgG2b	853.640.00X		ELISA, ELISpot
Perforin		B-C48	IgG1	853.620.00X		ELISA, ELISpot
Perforin		B-D48	IgG1	854.950.00X	854.953.020	ELISA, FC, IHC, WB
RANTES	CCL5	B-C53	IgG2a	857.600.00X		ELISA
RANTES	CCL5	B-R46	IgG1	857.610.00X		ELISA
RANTES	CCL5	B-L39	IgG1	857.280.00X	857.283.020	ELISA, FC
ST2	IL-33 Receptor	B-L42	IgG2b	857.950.00X	857.953.020	FC, WB
ST2	IL-33 Receptor	B-A52	IgG1	857.870.00X		ELISA
ST2	IL-33 Receptor	B-D52	IgG2b	857.880.00X		ELISA
TNF- $\alpha$	TNF $\alpha$	B-F7	IgG1	855.330.00X		ELISA, ELISpot
TNF- $\alpha$	TNF $\alpha$	B-C7	IgG1	855.150.00X		ELISA, ELISpot, FA, IHC
VEGF165	VEGF-A	B-G55	IgG2b	855.920.00X		ELISA
VEGF165	VEGF-A	B-F55	IgG2a	855.930.00X		ELISA

FA = Functional assay FC = Flow cytometry IHC = Immunohistochemistry IP = Immunoprecipitation WB = Western blot

## Monoclonal Antibodies

### Isotype Controls

Negative Controls	Clone	Azide Free	Unconjugated
IgG1	B-Z1	857.070.00X	857.073.020
IgG2a	B-Z2	857.080.00X	857.083.020
IgM	PFR-03		857.913.020
IgG1 for in vivo experiments	B-D38	855.950.00X	
IgG2b for in vivo experiments	B-F33	855.940.00X	

### Antibodies with Biological Activity

These antibodies available in azide free format can recognize both recombinant and natural proteins acting as either neutralizing, agonistic or enhancer antibodies. Available products and their biological activities are shown below.

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
CD2	B-E2	852.500.00X	Inhibits mixed lymphocyte culture
CD3	B-B11	854.010.00X	Induces T lymphocyte activation stimulation or proliferation
CD4	B-A1	854.030.00X	Inhibits mixed lymphocyte culture
CD10	B-E3	854.090.00X	Cytotoxic in association with Rabbit Complement on CD10+ Cells
CD20	B-H20	854.150.00X	Cytotoxic in association with Complement on CD20+ cells
CD21	B-E5	854.160.00X	Induces human B lymphocytes proliferation. Competes with EBV for CD21 binding
CD25	B-B10	852.00X.00X	Inhibits Mixed Lymphocyte Culture
CD25	B-F2	852.010.00X	Inhibits Mixed Lymphocyte Culture
CD28	B-T3	854.220.00X	Inhibits Mixed Lymphocyte Culture. Co-stimulates T cell proliferation
CD34 Class I	B-G25	854.240.00X	Triggers KG-1a cell aggregation
CD40	B-B20	854.280.00X	Stimulates B-cell proliferation together with IL-4
CD44	B-F24	852.600.00X	Triggers T lymphocyte aggregation. Enhances hyaluronan binding to CD44
CD54	B-H17	852.690.00X	Inhibits PHA stimulated T cell proliferation
CD86	B-T7	854.450.00X	Inhibits Mixed Lymphocyte Culture
CD95	B-G27	853.00X.00X	Triggers FAS induced apoptosis
CD95	B-D29	853.030.00X	Inhibits FasL induced apoptosis

## Monoclonal Antibodies

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
CD102	B-T1	852.760.00X	Inhibits cell adhesion and T cell activation
CD106	B-K9	852.770.00X	Inhibits cell attachment to VCAM-1
CD117	B-K15	854.510.00X	Inhibits the Kit-Ligand induced proliferation of TF1 cell line
CD126	B-R6	852.030.00X	Inhibits IL-6 induced proliferation of XG-1 cells
CD130	B-K5	852.070.00X	Inhibits CNTF activity. Inhibits OSM binding to gp130
CD130	B-R3	852.060.00X	Inhibits IL-6, IL-11, CNTF, LIF and OSM activities
CD130	B-P4	852.090.00X	Inhibits IL-11 activity and binding to gp130, but not CNTF, LIF and OSM activities
CD130	B-P8	852.080.00X	Inhibits CNTF activity and binding to gp130. Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation
CD130	B-S12	852.110.00X	Activates cells carrying gp130. Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation
CD178	B-R17	853.070.00X	Inhibits soluble CD178 induced apoptosis
CD184	B-R24	854.600.00X	Inhibits HIV-1 infection
CD202b	B-B48	854.710.00X	Inhibits Tek-L / Tek binding
CD253	B-S23	853.080.00X	Enhances TRAIL induced apoptosis
CD253	B-T24	853.090.00X	Inhibits TRAIL induced apoptosis
CD261	B-N36	854.850.00X	Neutralizes TRAIL induced apoptosis on HEL cell line
CD262	B-D37	854.870.00X	Agonist: induced apoptosis on Jurkat cells. Enhances TRAIL induced apoptosis of U937 cell line
CD262	B-K29	854.860.00X	Neutralizes TRAIL induced apoptosis of U937 cell line
CD263	B-D44	854.890.00X	Inhibits TRAIL binding to TRAIL R3
CD218a	B-E43	854.900.00X	Inhibits human IFN $\gamma$ secretion induced by IL-18 stimulated cells
CD218b	B-B46	854.910.00X	Inhibits human IFN $\gamma$ secretion induced by IL-18 stimulated cells
HLA Class1	W6/32	857.220.00X	Inhibits the interaction between T cells and MHC molecules
IFN- $\gamma$	B-B1	855.00X.00X	Inhibits IFN $\gamma$ induced proliferation
IL-1 $\beta$	B-A15	855.010.00X	Inhibits IL-1 $\beta$ induced proliferation on D10S murine cell line
IL-2	B-G5	855.020.00X	Inhibits IL-2 induced proliferation on CTL-L2 murine cell line
IL-4	B-S4	855.030.00X	Inhibits IL-4 induced proliferation on TF1 cells
IL-6	B-E8	855.050.00X	Inhibits IL-6 induced proliferation on B9 cells
IL-8	B-K8	855.080.00X	Inhibits IL-8 induced chemotaxis of human neutrophils

## Monoclonal Antibodies

Specificity (Anti-Human)	Clone	Azide free	Biological Activity
IL-10	B-S10	855.100.00X	Inhibits IL-10 induced proliferation on MC/9 cell line
IL-12 p35	B-T21	855.120.00X	Inhibits IL-12 induced IFN $\gamma$ synthesis on PHA activated lymphocytes
IL-13	B-B13	855.140.00X	Inhibits IL-13 induced proliferation on TF1 cell line
IL-15	B-E29	855.220.00X	Inhibits IL-15 induced proliferation on Kit 225 cell line
IL-17A	B-B51	853.910.00X	Inhibits the bioactivity of IL-17A on keratinocyte cell line HaCaT (measurement of defensin-2 production)
IL-17F	B-F60	855.360.00X	Neutralises the bioactivity of IL-17F on HT1080 cell line (measurement of IL-6 production)
IL-23	B-Z23	853.920.00X	Inhibits the bioactivity of rhIL-23 on mouse splenocytes C57Bl/6 (measurement of mL-17 or mL-22 production)
NKp46	B-L46	855.490.00X	The biological activity is measured by the ability of the coated antibody to induce degranulation of activated NK cells and to enhance IFN $\gamma$ secretion by non activated NK cells
NTR 1	B-N6	857.040.00X	Inhibits neurotensin binding to its receptor
TNF- $\alpha$	B-C7	855.150.00X	Inhibits TNF $\alpha$ induced cytotoxicity on U937 cells

### Associated Services

- Immunization: mouse, llama
- Monoclonal antibodies development
  - hybridoma: mouse
  - phage display: mouse, llama, chicken, rabbit (in development) and guinea pig (in development)
- Monoclonal antibodies engineering
  - isotype switch
  - antibody reformatting
  - antibody fragment: Fab, ScFv, VHH and Diabody
  - switch hybridoma to recombinant
- Bulk antibody production
- Antibody conjugation

## Recombinant Antigens

To complement our offering of monoclonal antibodies for the needs of the scientific community, we offer recombinant antigens for a range of applications.

### Recombinant Human Proteins

Specificity	Source	Format	Size (10µg)	Size (25µg)	Size (100µg / 100µl)
IL1RAP	CHO cells	PBS			705-H23-100
hCD25	CHO cells	PBS			705-H27-0BU
hLRRC15	CHO cells	PBS			705-H28-100
hBCMA	HEK293 cells	PBS			715-H29-100

### Recombinant Human Cytokines

Specificity	Source	Format	Size (10µg)	Size (25µg)	Size (100µg / 100µl)
IL-2	HEK293 cells	PBS BSA	715-H02-010-BSA	715-H02-025-BSA	
IL-2	HEK293 cells	Carrier Free	715-H02-010-CF	715-H02-025-CF	
IL-6	HEK293 cells	PBS BSA	715-H01-010-BSA	715-H01-025-BSA	
IL-6	HEK293 cells	Carrier Free	715-H01-010-CF	715-H01-025-CF	

- Biologically active proteins
- With or without carrier
- Available in different formats: catalogue format (10, 25, and 100 µg) or bulk format
- Lyophilised form
- Expression in different mammalian cell systems (CHO or HEK293)
- Ideal as quality control materials for immunoassays

## Recombinant Antigens

### Recombinant Human SARS-CoV-2 Antigens

Specificity	Source	Size (100µg)
SARS-CoV-2 Nucleoprotein	HEK293 cells	715-H17-0BU
SARS-CoV-2 Nucleoprotein	E. coli	725-H17-0BU
SARS-CoV-2 Spike S1 RBD (Active)	HEK293 cells	715-H16-0BU
Human Angiotensin-converting enzyme 2 (ACE2) Extracellular Domain	HEK293 cells	715-H19-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V1, Lineage B.1.1.7, UK	HEK293 cells	715-H20-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V2, Lineage B.1.351, SA	HEK293 cells	715-H21-0BU
SARS-CoV-2 Spike RBD Variant 501Y.V3, Lineage B.1.1.248, Brazil & Japan	HEK293 cells	715-H22-0BU
SARS-CoV-2 Spike RBD Variant Lineage B.1.617, India	HEK293 cells	715-H24-0BU
SARS-CoV-2 Spike RBD Variant Delta Lineage B.1.617.2	HEK293 cells	715-H25-0BU
Recombinant Human SARS-CoV-2 Spike RBD		
Variant Mu B.1.621	HEK293 cells	715-H26-0BU
Recombinant Human SARS-CoV-2 Spike RBD		
Variant Omicron hFc, Lineage B.1.1.529	HEK293 cells	715-H28-0BU
Contact us for other sizes and bulk formats		

- Purity: >85% by SDS-PAGE
- Concentration: 1 mg/ml
- Size: 100 µg - Other sizes and formats available
- Expression in different host cell systems (E. coli, mammalian HEK cells)
- Ideal as quality control materials for immunoassays

#### Associated Services

- Antigens development: mammalian system

# ELISA

Our ELISA are highly sensitive assays designed for in vitro quantitative and qualitative determination of native and recombinant proteins from serum, plasma and cell culture supernatant and biological fluids

- Control of our own mAb development coupled with robust manufacturing procedures ensures excellent performance and batch to batch consistency.
- High Sensitivity (HS) kits for the detection of low expressing proteins with sensitivities below 1.5pg/ml.



## ELISA kits with EASYVIEW solutions!

In a constant effort to improve the quality and efficiency of our products, our ELISA kits contain the EASYview coloured reagents. EASYview coloured reagents are designed as a visual aid to facilitate the pipetting and filling of ELISA plates.

Significant validation has been performed to ensure that there is no impact on assay performance and the excellence of the results obtained.

**Improved well visualization**

**Avoid pipetting mistakes**

**No impact on assay performance**

**One stage, one color!**

# ELISA

## Formats Available

### ELISA and High Sensitivity (HS) ELISA Kits:

Pre-coated plates, biotinylated detection antibody, standard(s), control(s) (where available), buffers, streptavidin-HRP and TMB, stop reagent and plate sealers.

### ELISA Sets:

Capture antibody, biotinylated detection antibody, standard(s), streptavidin-HRP and TMB.

Complete your Catalogue Number by choosing your format in the table below.

Format	Size	Catalogue Number (see listings)
ELISA Kits	1x96	xxx.xxx.096
	2x96	xxx.xxx.192
ELISA Sets	1x96 Discovery	xxx.xxx.001
	5x96	xxx.xxx.005
	10x96	xxx.xxx.010
	15x96	xxx.xxx.015
	20x96	xxx.xxx.020
Accessory Pack	Including all reagents for 5x96	858.000.005

Note: 2x96 size not applicable to 6xx.xxx.xxx products

## ELISA

### ELISA Pairs

Capture Antibody, Detection Antibody

Specificity (Anti-Human)	Capture Antibody (Azide free 1mg/1ml)	Detection Antibody (Biotinylated 0.1mg / 1ml)
IFN-γ	879.000.001	879.000.002
IL-4	879.020.001	879.020.002
IL-6	879.030.001	879.030.002
IL-7	879.040.001	879.040.002
IL-12p70	879.070.001 (IL-12p35 ELISA)	879.070.002 (IL-12p40 ELISA)
IL-12p40/p70	879.075.001 (IL-12p40 ELISA)	879.075.002 (IL-12p40 ELISA)
IL-13	879.080.001	879.080.002
TNF-α	879.090.001	879.090.002
IL-10	879.100.001	879.060.002
IL-34	879.120.001	879.120.002
CD25	879.500.001	879.500.002
CD126	879.510.001	879.510.002
CD130	879.520.001	879.520.002
CD62E	879.530.001	879.530.002
CD54	879.540.001	879.540.002
CD106	879.580.001	879.580.002
p53	879.630.001	879.630.002
CD141	879.720.001	879.720.002
CD253	879.770.001	879.770.002
Perforin	879.860.001	879.860.002
IL-23	879.920.001	879.920.002
IL-17A	879.940.001	879.940.002
IP-10	879.950.001	879.950.002
IL-27	879.960.001	879.960.002
IL-17F	879.980.001	879.980.002
Galectin-9	879.990.001	879.990.002

## ELISA

### ELISA

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
IFN-γ HS	IFNγ	H	0.78 - 25 pg/ml	0.69 pg/ml	850.900.xxx	
IL-2 HS		H	1.87 - 60 pg/ml	0.97 pg/ml	850.870.xxx	
IL-4 HS		H	0.31 - 10 pg/ml	0.31 pg/ml	850.890.xxx	
IL-6 HS		H	1.56 - 50 pg/ml	0.8 pg/ml	950.035.xxx	
IL-10 HS		H	1.56 - 50 pg/ml	1.3 pg/ml	850.880.xxx	
IL-12p70 HS		H	0.78 - 25 pg/ml	0.75 pg/ml	850.810.xxx	

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
Angiopoietin-2	ANG-2 / ANGPT-2	H	125-4000 pg/ml	25 pg/ml	873.080.xxx	
CD14		H	6.8 - 220 ng/ml	6.0 ng/ml	850.780.xxx	
CD21		H	3.12 - 100 U/ml	3.0 U/ml	850.730.xxx	
CD25	IL-2R	H	68.75 - 2220 pg/ml	8.0 pg/ml	950.500.xxx	851.650.xxx
CD31	PECAM-1	H	0.31 - 10 ng/ml	0.17 ng/ml	850.710.xxx	
CD44	PGP-1	H	0.31 - 10 ng/ml	0.11 ng/ml	850.570.xxx	
CD50	ICAM-3	H	0.62 - 20 ng/ml	0.3 ng/ml	850.560.xxx	
CD54	ICAM-1	H	0.25 - 8 ng/ml	0.1 ng/ml	850.540.xxx	851.590.xxx
CD62E	E-Selectin	H	1 - 32 ng/ml	0.5 ng/ml	850.530.xxx	851.580.xxx
CD62L	L-Selectin	H	1.6 - 60 ng/ml	1.0 ng/ml	850.650.xxx	
CD62P	P-Selectin	H	4.4 - 140 ng/ml	3.6 ng/ml	850.930.xxx	
CD86	B7-2	H	1.187 - 38 U/ml	0.6 U/ml	850.590.xxx	
CD95	FAS	H	93.75 - 3000 pg/ml	47.0 pg/ml	850.740.xxx	
CD102	ICAM-2	H	0.75 - 24 U/ml	0.2 U/ml	850.550.xxx	
CD106	VCAM-1	H	1.56 - 50 ng/ml	0.6 ng/ml	850.580.xxx	851.660.xxx
CD116	GM-CSF R	H	31.25 - 1000 pg/ml	16.0 pg/ml	850.660.xxx	
CD117	c-kit	H	0.31 - 10 ng/ml	0.095 ng/ml	850.700.xxx	
CD124	IL-4R	H	31.25 - 1000 pg/ml	11.5 pg/ml	850.670.xxx	
CD126	IL-6R	H	31.25 - 1000 pg/ml	5.0 pg/ml	850.510.xxx	
CD130	gp130	H	56.25 - 1800 pg/ml	15.0 pg/ml	850.520.xxx	
CD138	Syndecan-1	H	8 - 256 ng/ml	4.94 ng/ml	950.640.xxx	851.620.xxx
CD141	Thrombomodulin	H	0.62 - 20 ng/ml	0.31 ng/ml	850.720.xxx	851.690.xxx
CD154	TRAP / CD40L	H	0.31 - 10 ng/ml	0.06 ng/ml	650.120.xxx	

## ELISA

## ELISA

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
CD178	FAS-L	H	62.5 - 2000 pg/ml	12.0 pg/ml	850.750.xxx	851.730.xxx
CD213a2	IL-13Ra2	H	156 - 5000 pg/ml	150.0 pg/ml	850.800.xxx	
CD253	TRAIL / APO2L	H	93.75 - 3000 pg/ml	64.0 pg/ml	850.770.xxx	
CD261	DR4 / TRAIL R1	H	31.25 - 1000 pg/ml	8.0 pg/ml	850.820.xxx	
CD262	DR5 / TRAIL R2	H	31.25 - 1000 pg/ml	6.0 pg/ml	850.830.xxx	
CD263	DcR1 / TRAIL R3	H	0.31 - 10 ng/ml	147.0 pg/ml	850.840.xxx	
CD264	DcR2 / TRAIL R4	H	0.31 - 10 ng/ml	64.0 pg/ml	850.850.xxx	
Cytochrome C	CYC	H	0.16 - 5 ng/ml	0.05 ng/ml	650.070.xxx	
EpCam	CD326 / TROP1	H	0.625 - 20 ng/ml	0.27 ng/ml	873.130.xxx	
Galectin-9	Ecalectin / LGALS9	H	15.6 - 500 pg/ml	8 pg/ml	873.100.xxx	
GM-CSF		H	16 - 500 pg/ml	4.8 pg/ml	873.040.xxx	
Granzyme B		H	31.25 - 1000 pg/ml	20.0 pg/ml	850.790.xxx	
IFN- $\gamma$	IFNg	H	12.5 - 400 pg/ml	5.0 pg/ml	950.000.xxx	851.560.xxx
IL-1 $\alpha$	IL-1a	H	31.25 - 1000 pg/ml	10.0 pg/ml	850.005.xxx	851.600.xxx
IL-1 $\beta$	IL-1b	H	15.6 - 500 pg/ml	7.0 pg/ml	850.006.xxx	851.610.xxx
IL-2		H	31.25 - 1000 pg/ml	7.0 pg/ml	950.010.xxx	851.500.xxx
IL-4		H	1.1 - 35 pg/ml	0.7 pg/ml	950.020.xxx	851.510.xxx
IL-5		H	7.8 - 250 pg/ml	5.0 pg/ml	850.025.xxx	851.670.xxx
IL-6		H	6.25 - 200 pg/ml	2.0 pg/ml	950.030.xxx	851.520.xxx
IL-7		H	6.25 - 200 pg/ml	3.0 pg/ml	850.040.xxx	851.680.xxx
IL-8		H	31.25 - 1000 pg/ml	12.3 pg/ml	950.050.xxx	851.530.xxx
IL-10		H	12.5 - 400 pg/ml	5.0 pg/ml	950.060.xxx	851.540.xxx
IL-12p70		H	6.25 - 200 pg/ml	2.2 pg/ml	950.070.xxx	851.550.xxx
IL-12p40/p70		H	62.5 - 2000 pg/ml	20 pg/ml	950.075.xxx	851.880.xxx
IL-13		H	3.12 - 100 pg/ml	1.5 pg/ml	850.080.xxx	851.630.xxx
IL-15		H	31.25 - 1000 pg/ml	18 pg/ml	873.000.xxx	
IL-17A		H	3.12 - 100 pg/ml	3.0 pg/ml	850.940.xxx	851.720.xxx
IL-17F		H	15.6 - 500 pg/ml	6.0 pg/ml	850.980.xxx	851.740.xxx

## ELISA

## ELISA

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
IL-17A/F		H	15.6 - 500 pg/ml	6.6 pg/ml	850.990.xxx	851.750.xxx
IL-22		H	62.5 - 2000 pg/ml	5.0 pg/ml	650.140.xxx	
IL-23		H	156.25 - 5000 pg/ml	20.0 pg/ml	850.920.xxx	
IL-27		H	31.25 - 1000 pg/ml	12.8 pg/ml	850.960.xxx	851.890.xxx
IL-29	Interferon lambda 1	H	250 - 7.8 pg/ml	5.9 pg/ml	873.050.xxx	
IL-31		H	31.25 - 1000 pg/ml	18.0 pg/ml	873.010.xxx	
IL-33		H	31.25 - 1000 pg/ml	12.0 pg/ml	873.020.xxx	
IL-34		H	156.25 - 5000 pg/ml	39 pg/ml	873.060.xxx	
IP-10	CXCL10	H	6.25 - 200 pg/ml	5.7 pg/ml	850.950.xxx	851.870.xxx
MCP-1	CCL2 / JE	H	31.25 - 1000 pg/ml	5.8 pg/ml	873.030.xxx	
MICA		H	156.25 - 5000 pg/ml	123 pg/ml	850.910.xxx	
MICB	PERB11.2	H	31.25 - 1000 pg/ml	12.3 pg/ml	873.090.xxx	
p53		H	3.1 - 100 U/ml	1.5 U/ml	850.630.xxx	
Perforin		H	62.5 - 2000 pg/ml	40.0 pg/ml	850.860.xxx	851.860.xxx
RANTES	CCL5	H	6.25 - 250 pg/ml	1.2 pg/ml	873.110.xxx	
ST2	IL-1R4 / IL-33R / IL1-RL1	H	156.25 - 5000 pg/ml	38 pg/ml	873.120.xxx	
TGF- $\beta$ 1	TGFb1	H	62.5 - 2000 pg/ml	8.6 pg/ml	650.010.xxx	
TNF- $\alpha$	TNFa	H	25 - 800 pg/ml	10.0 pg/ml	950.090.xxx	851.570.xxx
VEGF-A	VEGF / VPF	H	31.25 - 1000 pg/ml	7.9 pg/ml	650.080.xxx	
VEGF-165	VEGF-A	H	31.25 - 1000 pg/ml	15.9 pg/ml	873.070.xxx	
VEGF-R1	Flt-1	H	0.31 - 10 ng/ml	0.03 ng/ml	650.030.xxx	

## ELISA

## ELISA

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
CD138	Syndecan-1	M	0.5 - 16 ng/ml	0.35 ng/ml	860.090.xxx	861.060.xxx
CD154	TRAP / CD40L	M	0.63 - 20 ng/ml	0.14 ng/ml	660.070.xxx	
Eotaxin		M	62.5 - 2000 pg/ml	3.6 pg/ml	660.060.xxx	
GM-CSF		M	15.6 - 500 pg/ml	9.0 pg/ml	860.060.xxx	
IFN- $\gamma$	IFNg	M	31.25 - 1000 pg/ml	15.0 pg/ml	860.050.xxx	861.050.xxx
IL-1 $\alpha$	IL-1a	M	15.56 - 500 pg/ml	4.0 pg/ml	660.010.xxx	
IL-2		M	15.6 - 500 pg/ml	5.0 pg/ml	860.000.xxx	861.000.xxx
IL-4		M	7.8 - 250 pg/ml	2.0 pg/ml	660.020.xxx	
IL-5		M	15.6 - 500 pg/ml	3.3 pg/ml	660.030.xxx	
IL-6		M	15.6 - 500 pg/ml	10.0 pg/ml	860.020.xxx	861.020.xxx
IL-10		M	31.25 - 1000 pg/ml	20.0 pg/ml	860.030.xxx	861.030.xxx
IL-12		M	62.5 - 2000 pg/ml	4.0 pg/ml	660.040.xxx	
IL-13		M	15.6 - 500 pg/ml	2.8 pg/ml	660.080.xxx	
IL-15/IL-15R		M	12.5 - 400 pg/ml	2.0 pg/ml	660.090.xxx	
IL-17A		M	15.6 - 500 pg/ml	4.6 pg/ml	860.070.xxx	
IL-17F		M	125 - 4000 pg/ml	10.0 pg/ml	660.100.xxx	
IL-22		M	15.6 - 500 pg/ml	5.0 pg/ml	660.110.xxx	
IP-10	CXCL10	M	15.6 - 500 pg/ml	6.5 pg/ml	660.120.xxx	
MCP-1	CCL2 / JE	M	31.2 - 1000 pg/ml	2.2 pg/ml	660.130.xxx	
TGF- $\beta$ 1	TGFb1	M	62.5 - 2000 pg/ml	7.8 pg/ml	660.050.xxx	
TNF- $\alpha$	TNFa	M	31.25 - 1000 pg/ml	25.0 pg/ml	860.040.xxx	
VEGF-A	VPF	M	125 - 4000 pg/ml	20.0 pg/ml	660.140.xxx	

## ELISA

## ELISA

Analyte	Antigen Synonym	Species	STD Range	Kit Sensitivity	ELISA Kit	ELISA Set
IFN- $\gamma$	IFNg	R	31.25 - 1000 pg/ml	10.0 pg/ml	865.010.xxx	872.000.xxx
IL-1 $\alpha$	IL-1a	R	31.2 - 1000 pg/ml	4.0 pg/ml	670.090.xxx	
IL-1 $\beta$	IL-1b	R	62.5 - 2000 pg/ml	4.0 pg/ml	670.040.xxx	
IL-2		R	125 - 2000 pg/ml	11.0 pg/ml	670.100.xxx	
IL-4		R	31.25 - 1000 pg/ml	15.0 pg/ml	865.020.xxx	872.020.xxx
IL-6		R	62.5 - 2000 pg/ml	12.0 pg/ml	670.010.xxx	
IL-10		R	31.25 - 1000 pg/ml	1.5 pg/ml	670.070.xxx	
IL-17A		R	3.1 - 100 pg/ml	1.0 pg/ml	670.080.xxx	
TGF- $\beta$ 1	TGFb1	R	62.5 - 2000 pg/ml	7.8 pg/ml	670.020.xxx	
TNF- $\alpha$	TNFa	R	31.25 - 1000 pg/ml	15.0 pg/ml	865.000.xxx	872.010.xxx
VEGF-C	VRP	R	94 - 3000 pg/ml	27.0 pg/ml	670.110.xxx	

Species: H = Human, M = Murine, R = Rat

## ELISpot

Our ELISpot are highly specific immunoassays for the analysis of the production and secretion of cytokines and other soluble molecules from individual cells in conditions closely comparable to the in vivo environment with minimal cell manipulation.

As well as single analyte detection, Dual ELISpot (enzymatic detection) and Dual Fluorospot (fluorescent detection) sets are available for multiple analyte detection. Dual sets enable the simultaneous detection of cells secreting either individual analytes or cells co-secreting both analytes.

This technique is amongst the most sensitive available for cytokine research with a technically easy performance.

### Formats Available

#### ELISpot Kits

- **Regular:** Pre-coated PVDF classic plate(s), Detection antibody, Alkaline Phosphatase conjugate, BSA and BCIP/NBT ready-to-use substrate buffer.
- **Easysplit:** Pre-coated PVDF strip plate(s), Detection antibody, Alkaline Phosphatase conjugate, BSA and BCIP/NBT ready-to-use substrate buffer.

#### ELISpot Sets

Capture and detection antibodies, alkaline phosphatase conjugate, BSA and BCIP/NBT ready-to-use substrate buffer.

ELISpot assays have spread to most areas of immunological research due to their sensitivity including oncology, vaccine development, autoimmunity, allergy and where they are considered a very valuable investigation tool.

Suitable for single test analysis without a need for high-tech equipment all the way through to large scale clinical trials utilizing fully automated assay systems.

A number of Diaclone ELISpot are currently in use in R&D for pre-clinical and clinical trials.

#### ELISpot Pairs

Capture and detection antibodies.

#### Dual ELISpot Sets

Capture and detection antibodies for two analytes, Alkaline phosphatase conjugate, blocking reagent, ready- to-use BCIP/NBT substrate buffer, Peroxydase conjugate, BSA, ready-to-use AEC substrate buffer.

Complete your Catalogue Number by choosing your format.

## ELISpot

### ELISpot

Format	Size	Catalogue Number (see listings)
ELISpot kits	1x96 Discovery	xxx.xxx.001PC
	2x96	xxx.xxx.002PC
	5x96	xxx.xxx.005PC
ELISpot sets Dual ELISpot sets	1x96 Discovery	xxx.xxx.001
	5x96	xxx.xxx.005

Analyte	Species	ELISpot Kit	ELISpot Set	ELISpot
CD178	Human	856.091.xxx	856.091.xxx	869.080.010
Granzyme B	Human	856.131.xxx	856.131.xxx	869.130.010
IFN- $\gamma$	Human	856.051.xxx	856.051.xxx	869.060.010
IL-1 $\beta$	Human	856.101.xxx	856.101.xxx	869.100.010
IL-2	Human	856.001.xxx	856.001.xxx	869.000.010
IL-4	Human	856.011.xxx	856.011.xxx	869.010.010
IL-5	Human	856.111.xxx	856.111.xxx	869.110.010
IL-6	Human	856.021.xxx	856.021.xxx	869.020.010
IL-10	Human	856.031.xxx	856.031.xxx	869.030.010
IL-12p70	Human	856.081.xxx	856.081.xxx	869.040.010
IL-13	Human	856.121.xxx	856.121.xxx	869.120.010
IL-17A	Human	856.151.xxx	856.151.xxx	869.150.010
IL-17F	Human	856.161.xxx	856.161.xxx	869.160.010
IL-17A/F	Human	856.171.xxx	856.171.xxx	869.170.010
Perforin	Human	856.141.xxx	856.141.xxx	869.140.010
TNF- $\alpha$	Human	856.041.xxx	856.041.xxx	869.050.010
IFN- $\gamma$	Murine	862.031.xxx	862.031.xxx	870.050.010
IL-2	Murine	862.001.xxx	862.001.xxx	870.010.010
IFN- $\gamma$	Rat	867.011.xxx	867.011.xxx	871.020.010
TNF- $\alpha$	Rat	867.021.xxx	867.021.xxx	871.030.010



## ELISpot

### Dual ELISpot

Analyte 1	Analyte 2	Species	Dual ELISpot Set
IFN- $\gamma$	Perforin	Human	874.070.xxx
IFN- $\gamma$	Granzyme B	Human	874.060.xxx
IFN- $\gamma$	IL-2	Human	874.040.xxx
IFN- $\gamma$	IL-4	Human	874.010.xxx
IFN- $\gamma$	IL-5	Human	874.020.xxx
IFN- $\gamma$	IL-10	Human	874.000.xxx
IFN- $\gamma$	IL-17A	Human	874.080.xxx
IL-10	IL-2	Human	874.050.xxx
IL-10	IL-4	Human	874.030.xxx
IL-17A	IL-4	Human	

#### Associated Services

- ELISpot plate reading
- ELISpot design/customization

## Your MDx Partner From Idea to Market

Whether you're looking for:

- An alternative supplier to secure your supply options
- To consolidate a fragmented supply base under a trusted partner who is ISO 13485 certified
- More technical support locally in your site
- A partner who can help you develop your assays

MedixMDx is ready to partner with you for all your molecular raw material needs and more.

### Our portfolio

If you would like to talk to us about securing solutions not listed today on our portfolio, we can explore how these could be developed for you. We are also happy to discuss longer term R&D collaborations for new products/innovative developments in the molecular test market. Please contact us today.

## Our Industry Solutions

### Endpoint PCR

Full range of endpoint PCR reagents including:

- Hot-start and standard DNA polymerase with buffer
- Convenient master mixes for GC-rich and multiplex reactions

### qPCR and RT-qPCR

Optimized ready-to-use solutions for realtime PCR including:

- Probe-based qPCR mixes for standard, fast and ultra-fast applications
- Dye-based qPCR mixes
- Time saving one-step RT-qPCR mixes for quick RNA analysis

### Isothermal amplification (iNAAT) & NGS

Optimized ready-to-use solutions for realtime isothermal nucleic acid amplification (iNAAT):

- Fast Bst polymerases
- Single-enzyme RT-LAMP polymerase
- Fast iNAAT reactions for the rapid detection of DNA/RNA targets

### Additional enzymes and reagents

Variety of reverse transcriptases (RT) for first strand cDNA synthesis

# Key Product Matrix

Product Name	Product Code	Product Type	DNA Template	RNA Template	qPCR	Isothermal Amplification	Lysis Probe Compatible	Hot/Warm Start	Lyo Ready	Direct Amplification	Stability	Unique Advantage
Taq DNA polymerase Hot-Start	#1101	Enzyme	■		■		■	■	▲		-20°C – 24 mo.	Secure Hot-Start
Taq 2x PCR Master Mix	#2001	Master Mix	■		■		■	■		■	-20°C – 24 mo.	Secure Hot-Start
PlexTaq® 5x qPCR Multiplex Master Mix HiDi® DNA polymerase	#4000	Master Mix	■		■		■	■	■	■	-20°C – 24 mo.	Lyo-ready, High Order Multiplexing
HiDi® Taq DNA polymerase	#9001	Enzyme	■		■			■	▲	■	-20°C – 24 mo.	SNP Genotyping PCR
HiDi® 2x PCR Master Mix	#9201	Enzyme	■		■		■	■	▲		-20°C – 24 mo.	SNP Genotyping PCR
HiDi® Taq 2x PCR Master Mix	#9101	Master Mix	■		■			■		■	-20°C – 24 mo.	SNP Genotyping PCR
HiDi® Taq 2x PCR Master Mix	#4200	Master Mix	■		■		■	■			-20°C – 24 mo.	SNP Genotyping PCR
HiFi DNA Polymerase Hot-Start	#3000	Enzyme	■		■			■			20°C – 12 mo. 4°C – 1 mo.	High Fidelity PCR, NGS, Multiplexing
Volcano3G® RT-PCR Probe 2x Master Mix	#6101	Master Mix	■	■	■		■	■	▲	■	-20°C – 24 mo.	Fast, Sensitive, Thermostable (95°C), "Zero-step" RT-PCR
HighScript Reverse Transcriptase	#6601	Enzyme		■							-20°C – 12 mo.	Unbiased cDNA synthesis for qPCR analysis
RT-qPCR Lyo-Ready Mix	#4501	Master Mix	■	■	■		■	■	■	■	-20°C – 12 mo.	1-Step qRT-PCR
Isotherm3G DNA Polymerase	#8701	Enzyme	■	■		■		■	▲	■	-20°C – 24 mo.	Fast Single Enzyme RT-LAMP
Fast Bst Polymerase	#8301	Enzyme	■			■		●	▲	■	-20°C – 12 mo.	Fast LAMP
Fast Bst Mix	#8501	Master Mix	■			■		●	▲	■	-20°C – 12 mo.	Fast LAMP

▲ Lyo-Ready or Lyo-Compatible customization available

● Warm start customization available

# Medix Biochemica

Klovinpellontie 3, FI-02180 Espoo, Finland  
medix@medixbiochemica.com



Ordering and product information:  
**medixbiochemica.com**