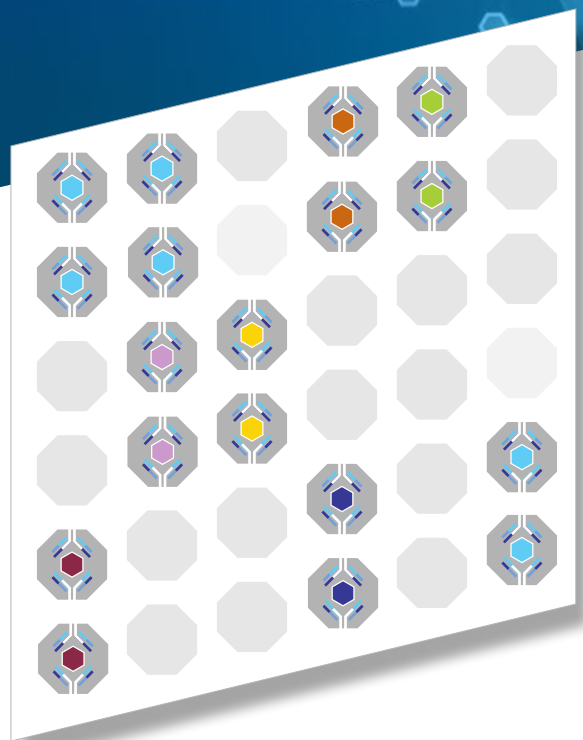


C-Series and G-Series Arrays

Semi-Quantitative Sandwich-based Antibody Arrays

DISCOVER MORE.

Detect up to 274 proteins per sample



Simultaneous detection of multiple proteins

Easy to use; only 5 hour processing time

Over 1500 literature citations

High specificity: sandwich antibody pair detection

Sensitivity comparable to ELISA

High-throughput

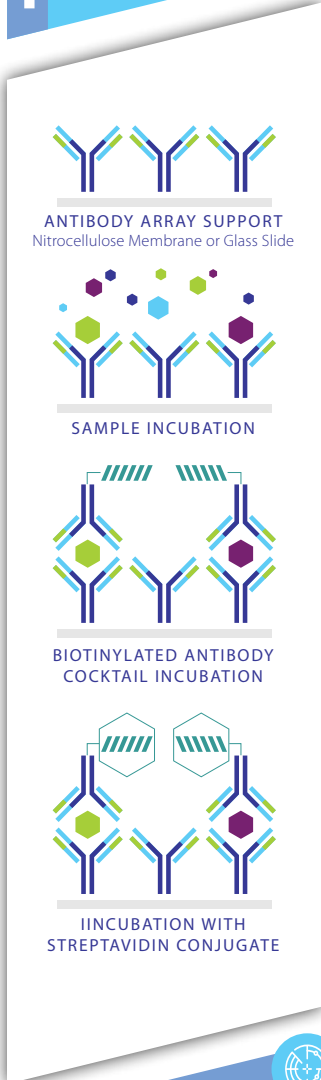
Customizable: Create your own panel

Available on glass slide or membrane

how it works



1 array processing

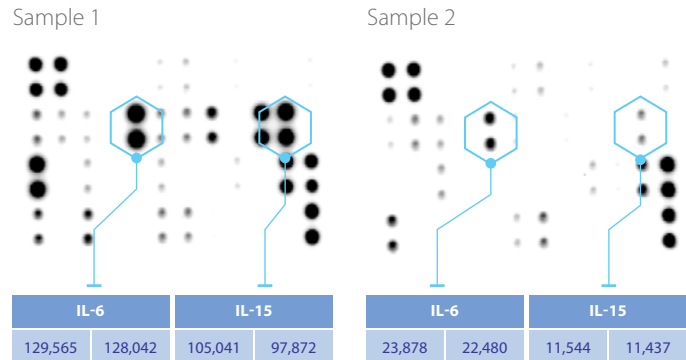


2 data extraction

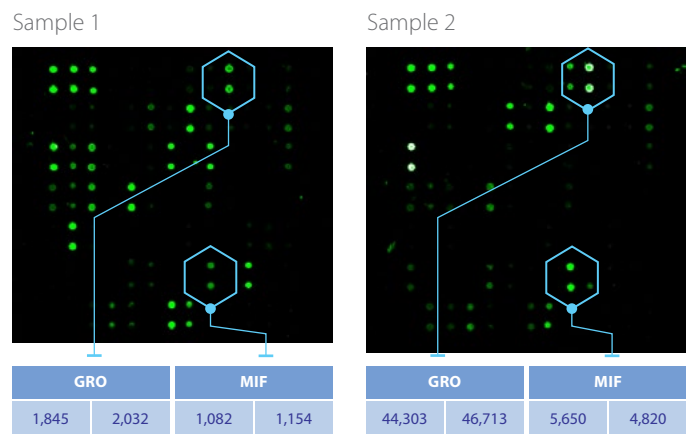
C-Series data requires extraction of the chemiluminescent values (optical density or OD) of each spot for comparison across arrays. This can be achieved with standard western blotting equipment, such as a CCD camera or radiography film.

G-Series data extraction requires detection of the relative fluorescent intensity of each spot (RFU). Our slides can be imaged with most DNA microarray scanners having Cy3 detection, which are common in many DNA core facilities. No scanner available? Send your slides to use and we'll scan them for free.

C-Series



G-Series



NO SCANNER?
Ask about our free glass slide scanning service

ANALYSIS TOOLS
available for each array.

PLATFORM	SOLID SUPPORT	DETECTION METHOD	EQUIPMENT NEEDED	SENSITIVITY	SAMPLE VOLUME
C-Series	Nitrocellulose membrane	Chemiluminescence	Chemiluminescent or Infrared Imager	pg to rg	1 ml
G-Series	Glass slide	Fluorescence	Laser Scanner (including Li-Cor Odyssey)	pg to rg	100 µl

premade arrays



Over 300 in-stock arrays are available.
Browse our complete selections here:



C-Series



G-Series



Human Cytokine C5 & G5

ENA-78 (CXCL5), GCSF, GM-CSF, GRO α / β / γ , GRO α (CXCL1), I-309 (TCA-3/CCL1), IL-1 α (IL-1 F1), IL-1 β (IL-1 F2), IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8 (CXCL8), IL-10, IL-12 p40/p70, IL-13, IL-15, IFN- γ , MCP-1 (CCL2), MCP-2 (CCL8), MCP-3 (MARC/CCL7), M-CSF, MDC (CCL22), MIG (CXCL9), MIP-1 β (CCL4), MIP-1 δ (CCL15), RANTES (CCL5), SCF, SDF-1 α (CXCL12 α), TARC (CCL17), TGF- β 1, TNF alpha, TNF- β (TNFSF1B), EGF, IGF-1, Angiogenin, Oncostatin M, Thrombopoietin (TPO), VEGF-A, PDGF-BB, Leptin, BDNF, BLC (CXCL13), Ck beta 8-1 (CCL23), Eotaxin-1 (CCL11), Eotaxin-2 (MPIF-2/CCL24), Eotaxin-3 (CCL26), FGF-4, FGF-6, FGF-7 (KGF), FGF-9, Flt-3 Ligand, Fractalkine (CX3CL1), GCP-2 (CXCL6), GDNF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IL-16, IP-10 (CXCL10), LIF, Light (TNFSF14), MCP-4 (CCL13), MIF, MIP-3 alpha (CCL20), NAP-2 (PPBP/CXCL7), NT-3, NT-4, Osteopontin (SPP1), Osteoprotegerin (TNFRSF11B), PARC (CCL18), PLGF, TGF- β 2, TGF- β 3, TIMP-1, TIMP-2

Human Angiogenesis Array C1000 & G1000

Axl, BLC (CXCL13), CD30 Ligand (TNFSF8), CD30 (TNFRSF8), CD40 (TNFRSF5), CRG-2, CTACK (CCL27), CXCL16, Eotaxin-1 (CCL11), Eotaxin-2 (MPIF-2/CCL24), Fas Ligand (TNFSF6), Fractalkine (CX3CL1), GCSF, GM-CSF, IFN- γ , IGFBP-3, IGFBP-5, IGFBP-6, IL-1 β (IL-1 F2), IL-10, IL-12 p40/p70, IL-12 p70, IL-13, IL-17A, IL-1 α (IL-1 F1), IL-2, IL-3, IL-3 R β , IL-4, IL-5, IL-6, IL-9, KC (CXCL1), Leptin, Leptin R, LIX, L-Selectin (CD62L), Lymphotactin (XCL1), MCP-1 (CCL2), MCP-5, M-CSF, MIG (CXCL9),

MIP-1 α (CCL3), MIP-1 γ , MIP-2, MIP-3 beta (CCL19), MIP-3 α (CCL20), Platelet Factor 4 (CXCL4), P-Selectin, RANTES (CCL5), SCF, SDF-1 α (CXCL12 alpha), TNF RI (TNFRSF1A), TNF RII (TNFRSF1B), TARC (CCL17), I-309 (TCA-3/CCL1), TECK (CCL25), TIMP-1, TNF α , Thrombopoietin (TPO), VCAM-1 (CD106), VEGF-A

Mouse Cytokine Array C3 & G3

Axl, BLC (CXCL13), CD30 Ligand (TNFSF8), CD30 (TNFRSF8), CD40 (TNFRSF5), CRG-2, CTACK (CCL27), CXCL16, Eotaxin-1 (CCL11), Eotaxin-2 (MPIF-2/CCL24), Fas Ligand (TNFSF6), Fractalkine (CX3CL1), GCSF, GM-CSF, IFN- γ , IGFBP-3, IGFBP-5, IGFBP-6, IL-1 β (IL-1 F2), IL-10, IL-12 p40/p70, IL-12 p70, IL-13, IL-17A, IL-1 α (IL-1 F1), IL-2, IL-3, IL-3 R β , IL-4, IL-5, IL-6, IL-9, KC (CXCL1), Leptin, Leptin R, LIX, L-Selectin (CD62L), Lymphotactin (XCL1), MCP-1 (CCL2), MCP-5, M-CSF, MIG (CXCL9), MIP-1 α (CCL3), MIP-1 γ , MIP-2, MIP-3 beta (CCL19), MIP-3 α (CCL20), Platelet Factor 4 (CXCL4), P-Selectin, RANTES (CCL5), SCF, SDF-1 α (CXCL12 alpha), TNF RI (TNFRSF1A), TNF RII (TNFRSF1B), TARC (CCL17), I-309 (TCA-3/CCL1), TECK (CCL25), TIMP-1, TNF α , Thrombopoietin (TPO), VCAM-1 (CD106), VEGF-A

Mouse Chemokine Array C1 & G1

GCSF, GM-CSF, IL-2, IL-3, IL-4, IL-5, IL-6, IL-9, IL-10, IL-12 p40/p70, IL-12 p70, IL-13, IL-17A, IFN- γ , MCP-1 (CCL2), MCP-5, RANTES (CCL5), SCF, TNF RI (TNFRSF1A), TNF α , Thrombopoietin (TPO), VEGF-A

Rat Acute Kidney Injury Array C1 & G1

TIM-1 (KIM-1), FABP1, MCP-1 (CCL2), Cystatin C, Lipocalin-2 (NGAL), TIMP-1, VEGF-A

Disease-Based Arrays

Human Cancer Discovery Array C3

Alpha-fetoprotein, Beta-2 Microglobulin, CA125, CA19-9, CEA, CRP (C-Reactive Protein), DKK-1, Ferritin, Galectin-3, GDF-15, HGF, ICAM-1 (CD54), IL-8 (CXCL8), MMP-2, Osteopontin (SPP1), PAI-1, PSA-free, RANTES (CCL5), TIMP-1, VEGF-A

Human Neuro Discovery Array C1 & C2

C1: BDNF, beta-NGF, GCSF, GDNF, HB-EGF, IFN-gamma, IGF-1, IL-10, IL-1 alpha, IL-1 beta, IL-6, IL-8, MCP-1, MIP-1 alpha, MMP-2, MMP-3, S100 B, TGF beta 1, TNF alpha, VEGF-A

C2: Adiponectin, BDNF, beta-NGF, CNTF, CRP, Eotaxin-1, Eotaxin-2, Eotaxin-3, Fas, IL-4, GDNF, GM-CSF, IFN-gamma, IL-10, IL-18, IL-1 alpha, IL-1 beta, IL-6, IL-8, LIF, MCP-1, MIP-1 beta, MMP-2, MMP-3, S100 B, TARC, TGF beta 1, TIMP-1, TNF alpha, VEGF-A

Human Obesity Array C1 & G1

4-1BB, ACE-2, Adiponectin, Adipsin, AgRP, Angiopoietin 1, Angiopoietin 2, ANGPTL4, CRP, ENA-78, Fas, FGF-6, Growth Hormone, HCC-4, IFN-gamma, IGFBP-1, IGFBP-2, IGFBP-3, IGF-1, IGF-1 sR, IL-1 R4, IL-1 sRI, IL-10, IL-11, IL-12, IL-1 alpha, IL-1 beta, IL-6, IL-6 sR, IL-8, Insulin, IP-10, Leptin R, Leptin, LIF, Lymphotactin, MCP-1, MCP-3, M-CSF, MIF, MIP-1 beta, MSP-alpha, Osteoprotegerin, OSM, PAI-I, PARC, PDGF-AA, PDGF-AB, PDGF-BB, RANTES, Resistin, Serum Amyloid A, SDF-1, sTNFR1, sTNFR2, TECK, TGF beta 1, TIMP-1, TIMP-2, TNF alpha, VEGF-A, XEDAR

custom arrays



Human
(640 Targets)

Don't see a pre-made array that fits your needs? Ask us to customize it for you! Choose from our library of 640 Human, 144 Mouse, or 67 Rat antibody pairs to create an array panel specific for your research.

2B4β	CA125	CRTAC1	FGF-19	IFN-γ	IL-4	MICB	Periostin	TGF-β 1
4-1BB Ligand	CA15-3	CRTAM	FGF-20	IFN-γ R1	IL-4 R α	Midkine	Persephin	TGF-β 2
4-1BB	CA19-9	CTACK	FGF-21	IGF-1	IL-5	MIF	PGRPs	TGF-β 3
6Ckine	CA9	CTLA-4	FGF-23	IGF-1 R	IL-5 R α	MIG	Platelet Factor 4	TGF-β R3
ACE	Cadherin-11	CXADR	FGF-4	IGF-2	IL-6	MIP-1 α	Plexin B3	Thrombospondin 1
ACE-2	Cadherin-13	CXCL14	FGF-5	IGF-2 R	IL-6 R	MIP-1 β	Plexin D1	Thrombospondin 2
Activin A	Cadherin-4	CXCL16	FGF-6	IGFBP-1	IL-7	MIP-1 delta	PLGF	Thrombospondin 5
Activin R1B	Calcinonin	Cystatin A	FGF-7	IGFBP-2	IL-7 R α	MIP-3 α	Pref-1	Thyroglobulin
Activin R2B	Calsyntenin-1	Cystatin B	FGF-9	IGFBP-3	IL-8	MIP-3 β	Presenilin 1	Tie-1
ADAM-12	Carboxypeptidase A2	Cystatin C	FLRG	IGFBP-4	IL-9	MIS RII	Procalcitonin	Tie-2
ADAM23	Cardiotrophin-1	Cystatin E/M	Flt-3 Ligand	IGFBP-5	ILT-2	MMP-1	Progranulin	TIM-1
ADAM-8	Cathepsin B	Cystatin SN	Flt-3	IGFBP-6	Insulin	MMP-10	ProGRP	TIM-2
ADAM-9	Cathepsin E	Cyokeratin 8	FOLH1	IGFBP-7	Insulin R	MMP-13	Prolactin	TIM-3
ADAMTS-13	Cathepsin L	DAN	Follistatin	IL-1 α	Integrin α 5	MMP-2	Prolactin R	TIMP-1
Adiponectin	Cathepsin S	DcR3	Follistatin-like 1	IL-1 β	IP-10	MMP-3	Prostasin	TIMP-2
Adipsin	Cathepsin V	Decorin	FOLR1	IL-1 R1	I-TAC	MMP-7	PSA-free	TIMP-4
ADP-Ribosyl Cyclase 2	CCL28	Dectin-1	FOLR2	IL-1 R2	Jagged 1	MMP-8	PSA-total	TLR1
aFGF	CD109	Desmocollin-3	Fractalkine	IL-1 R3	Jagged 2	MMP-9	PTH	TLR2
Aggrecan	CD14	Desmoglein-1	FSH	IL-1 R5	JAM-A	MPIF-1	PYY	TLR3
AgRP	CD147	Desmoglein-2	Furin	IL-1 R6	JAM-B	MSP α/β	RAGE	TLR4
Albumin	CD155	Desmoglein-3	Galectin-1	IL-1 Ra	JAM-C	MSP Receptor	RANK	TLR4
ALCAM	CD163	Desmoglein-3	Galectin-2	IL-10	Kallikrein 14	NAP-2	RANTES	TNF-α
ALK-1	CD200	DKK-1	Galectin-3	IL-10 Ra	Kallikrein 5	N-Cadherin	RBPA	TNF-β
ALK-6	CD229	DKK-3	Galectin-4	IL-10 Rβ	Kallikrein 7	NCAM-1	Reg1B	TNF RI
α-fetoprotein	CD23	DLL1	Galectin-7	IL-11	KIRREL3	Nectin-1	RELT	TNF RII
AMICA	CD26	DNAM-1	Galectin-8	IL-12 p40	KLF4	Nectin-3	Renin	TRACP
ArniGO	CD27	Dopa Decarboxylase	Galectin-9	IL-12 p70	LAG-3	Nectin-4	Resistin	TRAIL R1
Aminopeptidase LRAP	CD28	DPPII	Gas 1	IL-13	LAIR1	Nephrilysin	Ret	TRAIL R2
Aminopeptidase P2	CD30	DR3	Gas 6	IL-13 R1	LAMP	Nephrilysin-2	RGM-A	TRAIL R3
Amnionless	CD300c	DR6	GASP-1	IL-13 R2	LAMP1	Neurexin-3β	RGM-B	TRAIL R4
Amphiregulin	CD320	DSPG3	GASP-2	IL-15	Langerin	Neuropilin-2	ROBO2	TRAIL
Angiogenin	CD34	Dtk	GCP-2	IL-15 R α	LAP/TGF β 1	Neurturin	ROBO3	TRANCE
Angiopoietin-1	CD40 Ligand	E-Cadherin	GCSF	IL-16	LAYLLIN	NGFR	ROBO4	Transferrin
Angiopoietin-2	CD40	EDA-A2	GCSF R	IL-17 RA	LDL R	Nidogen-1	Ryk	Trappin-2
Angiopoietin-4	CD48	EDAR	GDF-15	IL-17 RB	Legumain	Nidogen-2	S100 A8	TREM-1
Angiostatin	CD58	EGF	GDF-8	IL-17A	Leptin	NKp30	SCF	TREM-2
Angiotensinogen	CD6	EGFR	GDNF	IL-17B	Leptin R	NKp44	SCF R	Tripeptidyl-peptidase I
ANGPTL3	CD80	EG-VEGF	GITR Ligand	IL-17C	LIF	Nogo Receptor	SDF-1 α	TRCK
ANGPTL4	CD83	EMR2	GITR	IL-17E	LIF Ra	Notch-1	SDF-1 β	TROP1
APRIL	CD84	ENA-78	GLP-1	IL-17F	LIGHT	Notch-3	Semaphorin 6B	Troponin I
Artemin	CD86	Endocan	Glypican 1	IL-18	LIMPII	NOV	Semaphorin 6D	TROY
Arylsulfatase A	CD97	Endoglin	Glypican 2	IL-18 BPa	Lipocalin-1	NrCAM	Semaphorin 7A	TSH
AXL	CD99	Endoglycan	Glypican 5	IL-18 Rβ	Lipocalin-2	NRG1-β 1	SERPINA4	TSLP
B7-H1	CDNF	Eotaxin-1	GM-CSF	IL-2	LOX-1	NSE	SERPINF1	TWEAK R
B7-H2	CDO	Eotaxin-2	GM-CSF R α	IL-2 Ra	LRIG3	NT-3	sFRP-3	TWEAK
B7-H3	CEA	Eotaxin-3	GOLM1	IL-2 Rβ	LRP-6	NT-4	SIGIRR	Ubiquitin+1
BAFF	CEACAM-1	EphA1	gp130	IL-2 Rγ	L-Selectin	Olfactomedin-2	Siglec-10	ULBP-1
BAFF R	CEACAM-5	EphA2	GPR56	IL-20	Lumican	Oncostatin M	Siglec-11	ULBP-2
BAMBI	Chemerin	EphB4	GPVI	IL-20 R α	Luteinizing hormone	Oncostatin M Rβ	Siglec-5	ULBP-3
BCAM	CHI3L1	EphB6	Granulysin	IL-21	Lymphotactin	Osteoactivin	Siglec-7	uPA
bcl-w	CHL-1	Ephrin-A4	GRO α/β/γ	IL-21 R	Lymphotoxin-β R	Osteopontin	Siglec-9	uPAR
BCMA	CHST1	Ephrin-B3	GRO α	IL-22 R α 1	LYVE-1	Osteoprotegerin	SLAM	Uromodulin
BDNF	CHST4	Epiregulin	Growth Hormone	IL-22BP	Marapsin	OX40 Ligand	Sonic Hedgehog	VCAM-1
β IG-H3	ciAP-2	ErbB2	Growth Hormone R	IL-23	Matrilin-3	OX40	N-Terminal	VE-Cadherin
β-2 Microglobulin	CILP-1	ErbB3	HAI-1	IL-23 R	Matrilin-3	p27/Kip1	SOST	VEGF-A
Betacellulin	CK β 8-1	ErbB4	HAI-2	IL-24	MBL	p53	SOX2	VEGF-C
β-NGF	CLEC-1	Erythropoietin R	HAPLN1	IL-27	MCP-1	PAI-1	SP-D	VEGF-D
bFGF	CLEC10A	ESAM	HB-EGF	IL-27 R α	MCP-2	PAPP-A	Spinesin	VEGF R1
BLAME	Clusterin	E-Selectin	HCC-1	IL-28A	MCP-3	PAPP-A2	Serpine1	VEGF R2
BLC	CMG-2	FABP1	HCC-4	IL-29	MCP-4	PARC	SREC-II	VEGF R3
BMP-2	CNTF	FABP2	hCG-β	IL-3	M-CSF	P-Cadherin	Syndecan-1	WIF-1
BMP-4	CNTF R α	FAP	Hepsin	IL-31	M-CSF R	PD-1	Syndecan-3	WISP-1
BMP-5	Coagulation Factor III	Fas Ligand	HGF	IL-31 RA	MDC	PD-ECGF	Syndecan-4	XEDAR
BMP-7	Coagulation Factor VII	Fas	HGFR	IL-32 α	MDGA1	PDGF Rβ	TACE	XIAP
BMP-8	Coagulation Factor XIV	Fc γ RIIB/C	HTRA2	IL-33	MDM2	PDGF-AA	TACI	
BMP-9	Common β Chain	FCAR	HVEM	IL-34	MEPE	PDGF-AB	TARC	
BMPR-IA	Complement MASP3	FCRL1	I-309	IL-36 α	Mepirin α	PDGF-BB	TECK	
BMPR-II	Contactin-1	FCRL2	ICAM-1	IL-36 β	Mepirin β	PDGF-C	Testican 2	
BOC	CREG	Ferritin	ICAM-2	IL-36 γ	Mer	PEGAM-1	TFF3	
Brevican	CRIM1	Fetuin A	ICAM-3	IL-36 Ra	Mesothelin	Pentraxin-3	TFPI	
CSa	Cripto-1	FGF-12	ICOS	IL-37	MFRP	Pepsinogen 1	TFPI-2	
CA12	CRP	FGF-17	IFN-α/β R2	IL-38	MICA	Pepsinogen 2	TGF-α	



Rat
(67 Targets)

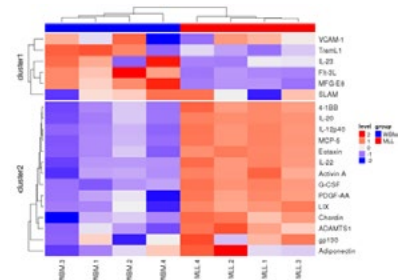
4-1BB	Gas 1	Neuropilin-2
Activin A	GFR α-1	Nope
Adiponectin	gp130	Notch-1
CD80	HGF	Notch-2
CD48	IL-1 R6	P-Cadherin
CTACK	IL-1 Ra	Prolactin
Decorin	IL-2 R α	RANTES
Eotaxin-1	IL-3	SCF
EphA5	IL-7	TIM-1
Erythropoietin	IL-17F	TIMP-2
FGF-BP	IL-22	TREM-1
Flt-3 Ligand	JAM-A	TWEAK R
Galectin-1	MIP-1α	
Galectin-3	Neuropilin-1	



Mouse
(144 Targets)

4-1BB	Chordin	CD32a	IFN-α	IL-17E	IL-7	MIG	RANTES	TREM-1
6CKine	CRG-2	Flt-3 Ligand	IGFBP-2	IL-17F	IL-9	MIP-1 α	Resistin	TROY
ACE	CTACK	Fractalkine	IGFBP-3	IL-1 α	I-TAC	MIP-1 γ	SCF	TSLP
ALK-1	CTLA-4	Galectin-1	IGFBP-5	IL-1 β	JAM-A	MIP-2	SDF-1α	TWEAK
Amphiregulin	CXCL16	Galectin-3	IGFBP-6	IL-1 Rα	KC	MIP-3 β	Sonic Hedgehog	TWEAK R
AXL	Decorin	Gas 1	IGF-1	IL-2	Leptin R	MIP-3 α	N-Terminal	VCAM-1
bFGF	DKK-1	Gas 6	IGF-2	IL-2 R α	Leptin	MMP-2	TACI	VEGF-A
BLC	CD26	GCSF	IL-1 R4	IL-20	LIX	MMP-3	TARC	VEGFR1
Cardiotrophin-1	E-Cadherin	GITR	IL-10	IL-21	L-Selectin	Nephrilysin	I-309	VEGFR2
CD27	EGF	GITR Ligand	IL-11	IL-28A	Lungkine	Osteopontin	TECK	VEGFR3
CD27 Ligand	Endoglin	GM-CSF	IL-12 p40/p70	IL-3	Lymphotactin	Osteoprotegerin	TCK-1	VEGF-D
CD30 Ligand	Eotaxin-1	Granzyme B	IL-12 p70	IL-3 β	MAdCAM-1	Pentraxin-3	TIMP-2	
CD30	Eotaxin-2	HAI-1	IL-13	IL-4	MCP-1	Platelet Factor 4	TNF RI	
CD36	Epigen	HGF	IL-15	IL-4	MCP-5	Prolactin	TNF RII	
CD40	E-Selectin	HGFR	IL-17A	IL-5	M-CSF	Pro-MMP-9	TNF-α	
CD40 Ligand	Fas	ICAM-1	IL-17B	IL-6	MDC	P-Selectin	Thrombopoietin	
	Fas Ligand	IFN-γ	IL-17 RB	IL-6 R	MFG-E8	RAGE	TRANCE	

services



TESTING SERVICE

Send us your samples, we'll send you results.

- Available for all array kits including custom panels
- GLP-compliant testing lab
- CLIA and ISO certified
- Best chance of success the 1st time – Skip the learning curve
- No experience? – we can optimize assay conditions for you
- Excel data reports of analyzed data included

*We also offer free scanning and data extraction services for all our glass-slide based arrays:

<https://www.raybiotech.com/array-scanning-and-analysis-service/>

BIostatistics SERVICE

Want a deeper understanding of your array data?

Whether you need basic statistical differences between groups, or protein-protein interaction (PPI) networking analysis, our in-house team of biostatistics and bioinformatics experts can build a tailored computational solution for your antibody and protein array data.

Learn more here:

<https://www.raybiotech.com/biostatistics-and-bioinformatics-services>



ISO13485 / CLIA CERTIFIED / QUALITY GUARANTEED

