

**RayBio® Human Protein Array**  
**Positive Control Normalization without**  
**Background**

	<b>PIF</b>	<b>HIS-tag</b>
<b>Positive Control</b>	1,347,376	1,347,376
Neg	3	9
4-IBBL	75	50
4-IBBR	11	1
Acrp30	15	53,640
Activin A	16	47
ALCAM	16	53,505
Angiogenin	7	1
Angiopoietin-1	8	24,580
Angiopoietin-2	81	31,403
Angiostatin	1	7,159
<b>AR (Amphiregulin)</b>	2	1
ART	14	6,490
AXL	5	53,397
b NGF	189	82
<b>B7-1 (CD 80)</b>	11	18,842
BCAM	9	40,689
BDNF	2	1
BLC	6	6
<b>BMP-4</b>	17	423
<b>BMP-5</b>	2	7
<b>BMP-6</b>	7	15
<b>BMP-7</b>	5	4
BTC	5	1
<b>Cardiotrophin-1 (CT-1)</b>	10	13
Cathepsin S	9	7,370
<b>CCL21 / 6Ckine</b>	8	29
CD14	9	97
CD27	5	53,660
CD30	22	53,540
CD40	6	53,608
CD40 Ligand	15	129
<b>CK beta 8-1 / CCL23</b>	61	18
CNTF	4	1
<b>Complement Factor D</b>	622	53,610
C-peptide	28	1
CTACK	88	846
CTLA-4	46	51,528
<b>CXCL-16</b>	75	43,529
DAN	24	89
<b>DKK-1</b>	31	4,788
<b>DKK-4</b>	75	4,095
<b>DR 6</b>	34	265
Dtk	9	53,500
<b>E-Cadherin</b>	3	53,600
EGF	12	199
EGF-R	7	7
ENA-78	5	1
Endoglin	3	23
Endostatin	6	22
Eotaxin	2	1
Eotaxin-2	2	2
Eotaxin-3	13	94

ErbB3	16	53,681
Erythropoietin R	1	8
E-selectin	22	44
Fas	6	2,376
Fas Ligand	4	59
Fc Gamma RII B/C (CD32b/c)	15	53,495
FGF-4	1	15
FGF-6	9	1
FGF-7	6	1
FGF-9	33	48
FGF-b	9	5
FIT-3 Ligand	7	1
Follistatin	4	15
Fractalkine	2	6
GCP-2	6	29
GCSF	4	3
GDNF	5	102
GH	15	10
GITR	6	184
GITR Ligand	9	20,933
GLP-1 (Glucagon Like)	3	5
GM-CSF	7	16
gp130	9	53,655
GRO-a	15	18
GRO-b	3	5
GRO-r	6	9
HB-EGF	15	36
HCC-4	10	25
HGF	90	132
HVEM	21	53,607
I-309	6	1
ICAM-1	5	1
ICAM-2	7	12,592
ICAM-3	11	53,589
IFN-gamma	6	79
IGF-1R	19	43
IGFBP-1	2	1
IGFBP-2	2	1
IGFBP-3	3	1
IGFBP-4	1	1
IGFBP-6	6	3
IGF-I	9	23
IGF-II	2	27
IL-1a	10	1,484
IL-1b	9	27
IL-1ra	3	33
IL-1RI	7	18
IL-1RII	2	16
IL-2	4	19
IL-2R alpha	2	63
IL-2R beta	12	884
IL-2R gamma	1	9
IL-3	5	18
IL-4	1	3
IL-5	4	2
IL-5 R alpha	1	341
IL-6	2	1

IL-6 sR	30	28
IL-7	20	22
IL-8	7	1
IL-9	12	1
IL-9 R	10	22,881
IL-10	7	35
IL-10 R alpha	19	6,234
IL-10 R beta	9	53,578
IL-11	6	111
IL-12p40	1	2,250
IL-12p70	1	23
IL-13	16	42
IL-13 Ra1	5	53,671
IL-13 Ra2	22	53,651
IL-15	3	22
IL-16	7	4
IL-17	6	69
IL-17B	5	1
IL-17C	9	1
IL-18 BPa	8	153
IL-18 R alpha	7	34
IL-18 R beta	15	151
IL-21R	11	46
IL-28A / IFN-lambda	9	53,469
Insulin	2	6
Insulin-Receptor	9	4,012
IP-10	68	55
I-TAC	19	85
LAP	10	4
Leptin (OB)	52	1,172
Leptin R	7	11,110
LIF	1	14
Light	24	2,008
L-selectin	4	1
Lymphotactin	4	1
MCP-1	1	163
MCP-2	7	1
MCP-3	12	56
MCP-4	5	1
M-CSF	9	14
M-CSF R	5	23,009
MDC	8	28
MEC (CCL-28 / VIC)	15	836
MICA	29	146
MICB	17	91
MIF	25	18
MIG	3	7
MIP-1a	5	17
MIP-1b	1	1
MIP-1d	65,279	53,169
MIP-3a	139	166
MIP-3b	121	16
MMP-1	263	352
MMP-2	86	37
MMP-3	1	10
MMP-8	1	1
MMP-9	4	1

MMP-10	6	28
MMP-13	1	25
MPIF-1	8	88
MSP	7	1
NAP-2	6	1
NGF R	13	53,169
NRG-I-b1	1	1
NT-3	29	255
NT-4	19	20
OBS (Obstatin-C-terminus)	55	114
Oncostatin M (OSM)	15	1
Osteoprotegerin (OPG)	49	53,626
PARC	39	1,184
P-Cadherin	40	53,627
PDGF AA	59	347
PDGF AB	51	256
PDGF BB	36	1
PDGF R alpha	33	1
PDGF R beta	1	1
PECAM-1 (CD31)	1	52
PF-4	30	95
PIGF	5	1
Prolactin	16	44
P-selectin	4	1
RAGE	21	142
Rantes	1	2
SAA	7	4
SCF	18	1
SCF R	14	11
SDF-1a	8	1
SDF-1b	5	1
Shh-N	7	4,115
Siglec-5	9	126
Siglec-9	19	1
ST2 (IL-1R4)	17	53,300
TARC	8	1
TECK	8	182
TGF-a	4	17
TGF-beta 1	161	654
TGF-beta 2	30	42
TGF-beta 3	35	1
Tie-1	56	53,027
Tie-2	23	49,197
Timp-1	24	1
Timp-2	12	60
Timp-3	10,617	27,745
Timp-4	34	184
TNF-a	26	8
TNF-b	8	33
TNF-R I	9	1
TNF-R II	5	10
TPO	5	4
TRAIL	1	50
TRAIL R1	1	53,211
TRAIL R2	1	53,348
TRAIL R3	1	3,498
TRAIL R4	14	53,543

TRANCE	1	2,021
TREM-1	1	59
TROY	1	358
u PAR	1	1
ubiquitin+1	1	50,906
VCAM-1	1	96
VE- Cadherin	1	5,036
VEGF	2	1,161
VEGF R2	11	51,783
VEGF R3	4	6,518
VEGF-D	5	135
VEGI	1	1