

Certificate of analysis

ProcartaPlex

Cat. number: **EPX450-12171-901**
96 tests/45 analytes

Name: **ProcartaPlex Hu Cytokine/
Chemokine/GF 1 45plex**

Lot number: **401180-001**

Expiry Date: **2026-01**

Components

Components	Quantity	Lot	Store at
B10810EX Bead Mix B	1 x 5ml (1x)	351627-000	2-8°C
B10817EX Bead Mix C	1 x 5ml (1x)	376214-000	2-8°C
B10010EX Bead Mix D	1 x 5ml (1x)	340484-000	2-8°C
B12167EX Bead Mix F	1 x 5ml (1x)	380681-000	2-8°C
B12170EX Bead Mix G	1 x 5ml (1x)	306416-000	2-8°C
BK10810EX det. antibody Mix B	1 x 70µl (50x)	351628-000	2-8°C
BK10817EX det. antibody Mix C	1 x 70µl (50x)	376229-000	2-8°C
BK10010EX det. antibody Mix D	1 x 70µl (50x)	340501-000	2-8°C
BK10007EX det. antibody Mix F	1 x 70µl (50x)	380618-000	2-8°C
BK12170EX det. antibody Mix G	1 x 70µl (50x)	306457-000	2-8°C
S10011EX Standard Mix A	2 each	339976-000	2-8°C
S10007EX Standard Mix B	2 each	344248-000	2-8°C
S12170EX Standard Mix C	2 each	370567-000	2-8°C
DDBHEX/4 Detection Ab Diluent	1 x 3ml	364723-000	2-8°C
UABEX/11 Universal Assay Buffer 1x	1 x 10ml	23107549	2-8°C
RBEX/46 Reading Buffer	1 x 40ml	23072860	2-8°C
SA-PE Streptavidin-PE	1 x 5ml	378527-000	2-8°C
WBEX/28 10x Wash Buffer	1 x 25ml	23096369	2-8°C
SVM104 Black Microplate Lid	1 each		2-8°C
SVM16 Plate Covers	8 each		2-8°C
SVM182 Flat bottom Plate (black)	1 each		2-8°C
SVM183 PCR 8-Tube Strip	2 each		2-8°C

Bead Mix B Lot#351627-000

Target Name	Bead Number	Concentration Std1	Standard
GM-CSF	44	48400 pg/ml	Standard Mix A
IFN gamma	43	58300 pg/ml	Standard Mix A
IL-1 beta	18	7050 pg/ml	Standard Mix A
IL-12p70	34	31300 pg/ml	Standard Mix A
IL-13	35	12000 pg/ml	Standard Mix A
IL-18	66	53200 pg/ml	Standard Mix A
IL-2	19	25000 pg/ml	Standard Mix A
IL-4	20	43500 pg/ml	Standard Mix A
IL-5	21	28000 pg/ml	Standard Mix A
IL-6	25	38800 pg/ml	Standard Mix A
TNF alpha	45	25200 pg/ml	Standard Mix A

Bead Mix C Lot#376214-000

Target Name	Bead Number	Concentration Std1	Standard
IL-10	28	6700 pg/ml	Standard Mix A
IL-17A (CTLA-8)	36	8600 pg/ml	Standard Mix A
IL-21	72	40500 pg/ml	Standard Mix A
IL-22	76	96400 pg/ml	Standard Mix A
IL-23	63	48700 pg/ml	Standard Mix A
IL-27	14	81900 pg/ml	Standard Mix A
IL-9	52	37000 pg/ml	Standard Mix A

Bead Mix D Lot#340484-000

Target Name	Bead Number	Concentration Std1	Standard
IFN alpha	48	2100 pg/ml	Standard Mix B
IL-1 alpha	62	2200 pg/ml	Standard Mix B
IL-15	65	12200 pg/ml	Standard Mix B
IL-1RA	38	127900 pg/ml	Standard Mix B
IL-31	37	38700 pg/ml	Standard Mix B
IL-7	26	2850 pg/ml	Standard Mix B
TNF beta	54	26200 pg/ml	Standard Mix B

Bead Mix F Lot#380681-000

Target Name	Bead Number	Concentration Std1	Standard
Eotaxin (CCL11)	33	1600 pg/ml	Standard Mix B
GRO alpha (CXCL1)	61	9600 pg/ml	Standard Mix B
IL-8 (CXCL8)	27	7300 pg/ml	Standard Mix B
IP-10 (CXCL10)	22	3700 pg/ml	Standard Mix B
MCP-1 (CCL2)	51	14400 pg/ml	Standard Mix B
MIP-1 alpha (CCL3)	12	3800 pg/ml	Standard Mix B
MIP-1 beta (CCL4)	47	27200 pg/ml	Standard Mix B
RANTES (CCL5)	42	2500 pg/ml	Standard Mix B
SDF-1 alpha	13	44700 pg/ml	Standard Mix B

Bead Mix G Lot#306416-000

Target Name	Bead Number	Concentration Std1	Standard
BDNF	57	7050 pg/ml	Standard Mix C
EGF	56	9000 pg/ml	Standard Mix C
FGF-2	75	10200 pg/ml	Standard Mix C
HGF	46	21800 pg/ml	Standard Mix C
LIF	15	14400 pg/ml	Standard Mix C
NGF beta	55	22500 pg/ml	Standard Mix C
PDGF-BB	77	25500 pg/ml	Standard Mix C
PIGF-1	29	5200 pg/ml	Standard Mix C
SCF	39	3300 pg/ml	Standard Mix C
VEGF-A	78	17800 pg/ml	Standard Mix C
VEGF-D	53	6800 pg/ml	Standard Mix C

Standard Mix A Lot#339976-000

Provided below is a table of Standard 1 (Std1) value for each analyte in each tube when prepared according to the "Prepare antigen standard" procedure of the Manual. All data were evaluated in a 2-hour incubation at room temperature.

Analyte	Std1 Concentration (pg/ml)	ULOQ / LLOQ (pg/ml) Determined in cell culture medium
GM-CSF	48400	48400 / 12
IFN gamma	58300	14575 / 14
IL-1 beta	7050	7050 / 1,72
IL-10	6700	6700 / 1,64
IL-12p70	31300	31300 / 7,64
IL-13	12000	12000 / 2,93
IL-17A (CTLA-8)	8600	8600 / 2,10
IL-18	53200	53200 / 13
IL-2	25000	25000 / 6,10
IL-21	40500	40500 / 9,89
IL-22	96400	96400 / 24
IL-23	48700	48700 / 12
IL-27	81900	81900 / 20
IL-4	43500	43500 / 11
IL-5	28000	28000 / 6,84
IL-6	38800	38800 / 9,47
IL-9	37000	37000 / 9,03
TNF alpha	25200	25200 / 6,15

Standard Mix B Lot#344248-000

Provided below is a table of Standard 1 (Std1) value for each analyte in each tube when prepared according to the "Prepare antigen standard" procedure of the Manual. All data were evaluated in a 2-hour incubation at room temperature.

Analyte	Std1 Concentration (pg/ml)	ULOQ / LLOQ (pg/ml) Determined in cell culture medium
Eotaxin (CCL11)	1600	1600 / 0,39
GRO alpha (CXCL1)	9600	2400 / 2,34
IFN alpha	2100	2100 / 0,51
IL-1 alpha	2200	2200 / 0,54
IL-15	12200	12200 / 2,98
IL-1RA	127900	127900 / 31
IL-31	38700	38700 / 9,45
IL-7	2850	2850 / 0,70
IL-8 (CXCL8)	7300	7300 / 1,78
IP-10 (CXCL10)	3700	925 / 0,90
MCP-1 (CCL2)	14400	14400 / 3,52
MIP-1 alpha (CCL3)	3800	950 / 0,93
MIP-1 beta (CCL4)	27200	6800 / 6,64
RANTES (CCL5)	2500	625 / 0,61
SDF-1 alpha	44700	11175 / 11
TNF beta	26200	26200 / 6,40

Standard Mix C Lot#370567-000

Provided below is a table of Standard 1 (Std1) value for each analyte in each tube when prepared according to the "Prepare antigen standard" procedure of the Manual. All data were evaluated in a 2-hour incubation at room temperature.

Analyte	Std1 Concentration (pg/ml)	ULOQ / LLOQ (pg/ml) Determined in cell culture medium
BDNF	7050	1763 / 1,72
EGF	9000	9000 / 2,20
FGF-2	10200	10200 / 2,49
HGF	21800	21800 / 5,32
LIF	14400	3600 / 3,52
NGF beta	22500	22500 / 5,49
PDGF-BB	25500	25500 / 6,23
PIGF-1	5200	5200 / 1,27
SCF	3300	3300 / 0,81
VEGF-A	17800	17800 / 4,35
VEGF-D	6800	6800 / 1,66

Analytical information:

This product has been tested by Quality Control and passed internal specifications.

Quality control:

A handwritten signature in black ink, appearing to read 'Jalini', is positioned to the right of the 'Quality control:' text.

For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1-800-955-6288 (US and Canada) or 1-760-603-7200, x2 (all other countries).
For inquiries, contact us at "thermofisher.com/askaquestion"