

Certificate of analysis

ProcartaPlex

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

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

 Lot number: **429578-002**

 Expiry Date: **2026-12**

Components

Components	Quantity	Lot	Store at
B10810EX Bead Mix B	1 x 5ml (1x)	391271-000	2-8°C
B10817EX Bead Mix C	1 x 5ml (1x)	376214-000	2-8°C
B10010EX Bead Mix D	1 x 5ml (1x)	392747-000	2-8°C
B12167EX Bead Mix F	1 x 5ml (1x)	414344-000	2-8°C
B12170EX Bead Mix G	1 x 5ml (1x)	390274-000	2-8°C
BK10810EX det. antibody Mix B	1 x 70µl (50x)	391274-000	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)	392748-000	2-8°C
BK10007EX det. antibody Mix F	1 x 70µl (50x)	414373-000	2-8°C
BK12170EX det. antibody Mix G	1 x 70µl (50x)	390276-000	2-8°C
S10011EX Standard Mix A	2 each	388185-000	2-8°C
S10007EX Standard Mix B	2 each	420280-000	2-8°C
S12170EX Standard Mix C	2 each	370567-000	2-8°C
DDBHEX/4 Detection Ab Diluent	1 x 3ml	406939-000	2-8°C
RBEX/46 Reading Buffer	1 x 40ml	24046158	2-8°C
UABEX/11 Universal Assay Buffer 1x	1 x 10ml	24057241	2-8°C
WBEX/28 10x Wash Buffer	1 x 25ml	24022582	2-8°C
SA-PE Streptavidin-PE	1 x 5ml	404758-000	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#391271-000

Target Name	Bead Number	Concentration Std1	Standard
GM-CSF	44	62000 pg/ml	Standard Mix A
IFN gamma	43	46100 pg/ml	Standard Mix A
IL-1 beta	18	11300 pg/ml	Standard Mix A
IL-12p70	34	30000 pg/ml	Standard Mix A
IL-13	35	13900 pg/ml	Standard Mix A
IL-18	66	55500 pg/ml	Standard Mix A
IL-2	19	25500 pg/ml	Standard Mix A
IL-4	20	47600 pg/ml	Standard Mix A
IL-5	21	25400 pg/ml	Standard Mix A
IL-6	25	30300 pg/ml	Standard Mix A
TNF alpha	45	24600 pg/ml	Standard Mix A

Bead Mix C Lot#376214-000

Target Name	Bead Number	Concentration Std1	Standard
IL-10	28	6400 pg/ml	Standard Mix A
IL-17A (CTLA-8)	36	14100 pg/ml	Standard Mix A
IL-21	72	48300 pg/ml	Standard Mix A
IL-22	76	95500 pg/ml	Standard Mix A
IL-23	63	53900 pg/ml	Standard Mix A
IL-27	14	143800 pg/ml	Standard Mix A
IL-9	52	39300 pg/ml	Standard Mix A

Bead Mix D Lot#392747-000

Target Name	Bead Number	Concentration Std1	Standard
IFN alpha	48	1750 pg/ml	Standard Mix B
IL-1 alpha	62	1700 pg/ml	Standard Mix B
IL-15	65	10300 pg/ml	Standard Mix B
IL-1RA	38	121700 pg/ml	Standard Mix B
IL-31	37	34700 pg/ml	Standard Mix B
IL-7	26	2650 pg/ml	Standard Mix B
TNF beta	54	24300 pg/ml	Standard Mix B

Bead Mix F Lot#414344-000

Target Name	Bead Number	Concentration Std1	Standard
Eotaxin (CCL11)	33	1500 pg/ml	Standard Mix B
GRO alpha (CXCL1)	61	10300 pg/ml	Standard Mix B
IL-8 (CXCL8)	27	9600 pg/ml	Standard Mix B
IP-10 (CXCL10)	22	4400 pg/ml	Standard Mix B
MCP-1 (CCL2)	51	12600 pg/ml	Standard Mix B
MIP-1 alpha (CCL3)	12	4100 pg/ml	Standard Mix B
MIP-1 beta (CCL4)	47	24600 pg/ml	Standard Mix B
RANTES (CCL5)	42	2500 pg/ml	Standard Mix B
SDF-1 alpha	13	34200 pg/ml	Standard Mix B

Bead Mix G Lot#390274-000

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#388185-000

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	62000	15500 / 15
IFN gamma	46100	11525 / 11
IL-1 beta	11300	11300 / 2,76
IL-10	6400	6400 / 1,56
IL-12p70	30000	30000 / 7,32
IL-13	13900	13900 / 3,39
IL-17A (CTLA-8)	14100	14100 / 3,44
IL-18	55500	55500 / 14
IL-2	25500	25500 / 6,23
IL-21	48300	48300 / 12
IL-22	95500	95500 / 23
IL-23	53900	53900 / 13
IL-27	143800	143800 / 35
IL-4	47600	47600 / 12
IL-5	25400	25400 / 6,20
IL-6	30300	30300 / 7,40
IL-9	39300	39300 / 9,59
TNF alpha	24600	24600 / 6,01

Standard Mix B Lot#420280-000

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)	1500	1500 / 0,37
GRO alpha (CXCL1)	10300	2575 / 2,51
IFN alpha	1750	1750 / 0,43
IL-1 alpha	1700	1700 / 0,42
IL-15	10300	10300 / 10
IL-1RA	121700	121700 / 30
IL-31	34700	34700 / 8,47
IL-7	2650	2650 / 0,65
IL-8 (CXCL8)	9600	9600 / 2,34
IP-10 (CXCL10)	4400	1100 / 1,07
MCP-1 (CCL2)	12600	12600 / 3,08
MIP-1 alpha (CCL3)	4100	1025 / 1,00
MIP-1 beta (CCL4)	24600	6150 / 6,01
RANTES (CCL5)	2500	156 / 0,61
SDF-1 alpha	34200	8550 / 8,35
TNF beta	24300	24300 / 5,93

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 "J. Smith".

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"