

Certificate of analysis

ProcartaPlex

Cat. number: **EPX640-20064-901**
96 tests/64 analytes

Name: **ProcartaPlex Mouse Immune Response Panel 64-plex**

Lot number: **409208-010**

Expiry Date: **2026-12**

Components

Components	Quantity	Lot	Store at
B20064EX Bead Mix	1 x 5ml (1x)	395927-000	2-8°C
BK20064EX Det. Ab Mix	1 x 3.5ml (1x)	395974-000	2-8°C
S20834EX Standard Mix D	2 each	432627-000	2-8°C
C20834LowEX mouse Control D Low	2 each	432628-000	2-8°C
C20834HighEX mouse Control D High	2 each	432624-000	2-8°C
S20064EX Standardmix K	2 each	434556-000	2-8°C
C20064LOWEX Mouse Control K Low	2 each	403516-000	2-8°C
C20064HIGHEX Mouse Control K High	2 each	403515-000	2-8°C
RBEX/46 Reading Buffer	1 x 40ml	24115014	2-8°C
UABEX/11 Universal Assay Buffer 1x	1 x 10ml	25017681	2-8°C
WBEX/28 10x Wash Buffer	1 x 25ml	24057242	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
SVM183 PCR 8-Tube Strip	2 each		2-8°C
SVM182 Flat bottom Plate (black)	1 each		2-8°C

Bead Mix Lot#395927-000

Target Name	Bead Number	Concentration Std1	Standard
BAFF	67	8700 pg/ml	Standard Mix D
Betacellulin (BTC)	73	8500 pg/ml	Standard Mix D
BLC (CXCL13)	99	2000 pg/ml	Standardmix K
CD27	84	21900 pg/ml	Standardmix K
CTACK (CCL27)	59	13800 pg/ml	Standardmix K
ENA-78 (CXCL5)	57	49400 pg/ml	Standard Mix D
Eotaxin (CCL11)	62	2100 pg/ml	Standard Mix D
Eotaxin-2 (CCL24)	69	5600 pg/ml	Standardmix K
G-CSF (CSF-3)	12	6700 pg/ml	Standard Mix D
GM-CSF	42	9000 pg/ml	Standard Mix D
Granzyme B	49	38100 pg/ml	Standardmix K
GRO alpha (CXCL1)	43	10600 pg/ml	Standard Mix D
I-TAC (CXCL11)	81	5700 pg/ml	Standardmix K
IFN alpha	30	23300 pg/ml	Standard Mix D
IFN gamma	38	2650 pg/ml	Standard Mix D
IL-1 alpha	56	12900 pg/ml	Standard Mix D
IL-1 beta	19	9400 pg/ml	Standard Mix D
IL-10	13	27100 pg/ml	Standard Mix D
IL-12p70	39	11100 pg/ml	Standard Mix D
IL-13	35	14800 pg/ml	Standard Mix D
IL-15	54	17700 pg/ml	Standard Mix D
IL-16	68	3050 pg/ml	Standardmix K
IL-17A (CTLA-8)	52	5000 pg/ml	Standard Mix D
IL-18	66	107500 pg/ml	Standard Mix D
IL-19	61	115100 pg/ml	Standard Mix D
IL-2	20	16500 pg/ml	Standard Mix D
IL-22	33	66600 pg/ml	Standard Mix D
IL-23	37	59500 pg/ml	Standard Mix D
IL-25 (IL-17E)	29	21400 pg/ml	Standard Mix D
IL-27	36	13200 pg/ml	Standard Mix D
IL-28	64	201900 pg/ml	Standard Mix D
IL-2R	63	17100 pg/ml	Standard Mix D
IL-3	14	1650 pg/ml	Standard Mix D
IL-31	76	39500 pg/ml	Standard Mix D
IL-33	75	175500 pg/ml	Standard Mix D
IL-33R (ST2)	78	117700 pg/ml	Standard Mix D
IL-4	26	4700 pg/ml	Standard Mix D
IL-5	27	40000 pg/ml	Standard Mix D
IL-6	28	24100 pg/ml	Standard Mix D
IL-6R/sIL-6R	91	1624000 pg/ml	Standardmix K
IL-7	74	23300 pg/ml	Standard Mix D
IL-7R alpha	53	18100 pg/ml	Standard Mix D
IL-9	34	22900 pg/ml	Standard Mix D
IP-10 (CXCL10)	22	5250 pg/ml	Standard Mix D
Leptin	65	533500 pg/ml	Standard Mix D
LIF	18	7600 pg/ml	Standard Mix D
M-CSF	21	2850 pg/ml	Standard Mix D
MCP-1 (CCL2)	51	54700 pg/ml	Standard Mix D
MCP-3 (CCL7)	48	3550 pg/ml	Standard Mix D
MCP-5 (CCL12)	98	3000 pg/ml	Standardmix K
MDC (CCL22)	88	3400 pg/ml	Standardmix K
MIP-1 alpha (CCL3)	47	2350 pg/ml	Standard Mix D
MIP-1 beta (CCL4)	72	3850 pg/ml	Standard Mix D
MIP-2 alpha (CXCL2)	55	4300 pg/ml	Standard Mix D
MIP-3 beta (CCL19)	87	13300 pg/ml	Standardmix K
RANKL	46	7550 pg/ml	Standard Mix D
RANTES (CCL5)	44	19200 pg/ml	Standard Mix D
SYB16 (CXCL16)	58	2400 pg/ml	Standardmix K
TARC (CCL17)	79	3800 pg/ml	Standardmix K
TECK (CCL25)	89	510400 pg/ml	Standardmix K
TNF alpha	45	17200 pg/ml	Standard Mix D
TSLP	70	21000 pg/ml	Standardmix K
VEGF-A	25	9550 pg/ml	Standard Mix D
VEGF-R2 (KDR)	96	58500 pg/ml	Standardmix K

Standard Mix D Lot#432627-000

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 Universal Assay Buffer
BAFF	8700	8700 / 2,12
Betacellulin (BTC)	8500	8500 / 2,08
ENA-78 (CXCL5)	49400	49400 / 12
Eotaxin (CCL11)	2100	2100 / 0,51
G-CSF (CSF-3)	6700	6700 / 1,64
GM-CSF	9000	9000 / 2,20
GRO alpha (CXCL1)	10600	10600 / 2,59
IFN alpha	23300	23300 / 23
IFN gamma	2650	2650 / 0,65
IL-1 alpha	12900	12900 / 3,15
IL-1 beta	9400	9400 / 2,29
IL-10	27100	27100 / 6,62
IL-12p70	11100	11100 / 2,71
IL-13	14800	14800 / 3,61
IL-15	17700	17700 / 4,32
IL-17A (CTLA-8)	5000	5000 / 1,22
IL-18	107500	107500 / 26
IL-19	115100	115100 / 28
IL-2	16500	16500 / 4,03
IL-22	66600	66600 / 16
IL-23	59500	59500 / 15
IL-25 (IL-17E)	21400	5350 / 5,22
IL-27	13200	13200 / 3,22
IL-28	201900	201900 / 49
IL-2R	17100	17100 / 4,17
IL-3	1650	1650 / 0,40
IL-31	39500	39500 / 9,64
IL-33	175500	175500 / 43
IL-33R (ST2)	117700	117700 / 29
IL-4	4700	4700 / 1,15
IL-5	40000	10000 / 9,77
IL-6	24100	24100 / 5,88
IL-7	23300	23300 / 5,69
IL-7R alpha	18100	18100 / 4,42
IL-9	22900	5725 / 5,59
IP-10 (CXCL10)	5250	5250 / 1,28
Leptin	533500	533500 / 130
LIF	7600	7600 / 1,86
MCP-1 (CCL2)	54700	13675 / 13
MCP-3 (CCL7)	3550	3550 / 0,87
M-CSF	2850	713 / 0,70
MIP-1 alpha (CCL3)	2350	2350 / 0,57
MIP-1 beta (CCL4)	3850	963 / 0,94
MIP-2 alpha (CXCL2)	4300	4300 / 1,05
RANKL	7550	7550 / 1,84
RANTES (CCL5)	19200	4800 / 4,69
TNF alpha	17200	17200 / 4,20
VEGF-A	9550	2388 / 2,33

Standardmix K Lot#434556-000

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 Universal Assay Buffer
BLC (CXCL13)	2000	2000 / 0,49
CD27	21900	21900 / 5,35
CTACK (CCL27)	13800	13800 / 3,37
Eotaxin-2 (CCL24)	5600	5600 / 1,37
Granzyme B	38100	38100 / 9,30
IL-16	3050	3050 / 0,74
IL-6R/sIL-6R	1624000	1624000 / 396
I-TAC (CXCL11)	5700	5700 / 1,39
MCP-5 (CCL12)	3000	750 / 0,73
MDC (CCL22)	3400	850 / 0,83
MIP-3 beta (CCL19)	13300	13300 / 3,25
SYB16 (CXCL16)	2400	2400 / 0,59
TARC (CCL17)	3800	3800 / 0,93
TECK (CCL25)	510400	510400 / 125
TSLP	21000	21000 / 5,13
VEGF-R2 (KDR)	58500	58500 / 14

Analytical information:

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

Quality control:



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"