

Certificate of analysis

ProcartaPlex

 Cat. number: **EPX080-97000-901**

96 tests/8 analytes

 Name: **ProcartaPlex Human Akt Pathway Panel (total), 8plex**

 Lot number: **449916-001**

 Expiry Date: **2025-12**

Components

Components	Quantity	Lot	Store at
S97200EX Akt Pathway Standard Mix	2 each	399829-000	<=-20°C
B97000EX Bead Mix	1 x 5ml (1x)	449780-000	2-8°C
BK97000EX Det. AB Mix	1 x 3.5ml	449781-000	2-8°C
WBEX/28 10x Wash Buffer	1 x 25ml	24057242	2-8°C
UAB10x/11 Universal Assay Buffer 10x	1 x 10ml	435317-000	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

Akt Pathway Standard Mix Lot#399829-000

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 (U/ml)	ULOQ / LLOQ (U/ml)
		Determined in Universal Assay Buffer
Akt (total)	20000	20000 / 4,88
Akt[pS473]	5000	5000 / 1,22
CREB (total)	6000	6000 / 1,46
CREB[pS133]	500	500 / 0,12
GSK-3 beta (total)	2000	2000 / 0,49
GSK-3 beta[pS9]	200	200 / 0,04883
IGF-1R (total)	1000	1000 / 0,24
IGF-1R[pYpY1135/1136]	1000	1000 / 0,24
IRS-1 (total)	3000	3000 / 0,73
IRS-1[pS312]	500	500 / 0,12
mTOR (total)	10000	10000 / 2,44
mTOR[pS2448]	200	200 / 0,04883
p70S6K (total)	2000	2000 / 0,49
p70S6K[pTpS421/424]	500	500 / 0,12
PRAS40 (total)	10000	10000 / 2,44
PRAS40[pT246]	500	500 / 0,12

Bead Mix Lot#449780-000

Target Name	Bead Number	Concentration Std1	Standard
Akt (total)	47	20000 U/ml	Akt Pathway Standard Mix
CREB (total)	43	6000 U/ml	Akt Pathway Standard Mix
GSK-3 beta (total)	56	2000 U/ml	Akt Pathway Standard Mix
IGF-1R (total)	34	1000 U/ml	Akt Pathway Standard Mix
IRS-1 (total)	37	3000 U/ml	Akt Pathway Standard Mix
mTOR (total)	26	10000 U/ml	Akt Pathway Standard Mix
p70S6K (total)	27	2000 U/ml	Akt Pathway Standard Mix
PRAS40 (total)	42	10000 U/ml	Akt Pathway Standard Mix

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. J. J. J." or similar, written in a cursive style.

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"](https://www.thermofisher.com/askaquestion)