

Procarta® Transcription Factor Plex Kit

Product Insert Panel 2

Cat. Nos. PC5010, PC5011

About the Procarta Transcription Factor Plex Kit

Procarta Transcription Factor Plex Assays combine two technologies: Panomics' patent-pending detection probe separation method and xMAP® (multi-analyte profiling beads) from Luminex Corp. Together, these two technologies enable the quantitative measurement of DNA binding activity of up to 43 transcription factors from as little 250 ng of protein from a nuclear extract or 500 ng of protein from a whole cell lysate.

The Procarta Transcription Factor Plex Kits for Panel 2, is a 43 plex kit and is available as a 1 plate (96 samples) or 1/4 plate (24 samples). The kits contain all the reagents and assay controls required to prepare and detect DNA binding activity of transcription factors from human, mouse, or rat nuclear extracts. The Procarta Transcription Factor Whole Cell Lysis Kit is sold separately.

Safety Warnings and Precautions

CAUTION All chemicals should be considered potentially hazardous. We recommend that this product and its components be handled by those trained in laboratory techniques and be used according to the principles of good laboratory practice. This kit contains small quantities of sodium azide. Sodium azide reacts with lead and copper plumbing to form explosive metal azides. When disposing, flush drains with a large volume of water to prevent azide accumulation. Observe all state and local regulations for disposal. For research use only. Not for use in diagnosis of disease in human or animals.

Bead-Analyte Association

Included (√)	Bead	Analyte	Included (√)	Bead	Analyte
√	7	HAS+HBS	√	36	USF-1
√	8	ALF-1/TAL-1	√	37	XRE
√	9	TREF-1/2	√	38	GFI-1
√	10	EGR	√	41	NPAS2
√	11	NFκB	√	42	PIT-1
√	12	c-MYC	√	43	SRY
√	13	NeuroD1	√	44	E47
√	14	PDX-1	√	45	CCAAT
√	15	TR	√	46	AP-4
√	17	MRE	√	47	CDP
√	18	ELF-1	√	51	XBP-1
√	19	SRE	√	52	CEF-1
√	20	H4TF	√	53	ANTIOXIDANT RE
√	21	HiNF	√	54	COUP-TF
√	25	KPF-1	√	55	EVI-1
√	26	LF-A1	√	61	GAG
√	27	LvF	√	63	IKAROS
√	28	MTF	√	65	HBS/XBP
√	32	PUR-1	√	66	SIE
√	33	RB	√	73	HSF
√	34	TFE-3	√	76	TR (DR-4)
√	35	AP-1			

Contents and Storage

Box 1 of 3- Shipped on Blue Ice Store at 4 °C	Quantity 1/4-Plate Kit	Quantity 1-Plate Kit	Storage
Binding Buffer	6.5 mL	25 mL	4 °C
Separation Buffer	50 mL	200 mL	4 °C
Assay Buffer	1.3 mL	5.0 mL	4 °C
Wash Buffer	30 mL	110 mL	4 °C
Reading Buffer	4.0 mL	15 mL	4 °C
Capture Beads, premixed	1.25 mL	5.0 mL	4 °C
Streptavidin-PE	3.0 mL	11 mL	4 °C
Elution Buffer	1.6 mL	7.0 mL	4 °C
PCR Plate	1 each	1 each	4 °C
Sample Collection Plate	1 each	1 each	4 °C
Utility Plate	1 each	1 each	4 °C
Separation Plate	1 each	1 each	4 °C
Filter Plate	1 each	1 each	4 °C
PCR Plate Seal	1 x 5 each	1 x 5 each	4 °C
Plate Seal	1 x 5 each	1 x 5 each	4 °C

Box 2 of 3- Shipped on Dry Ice Store at -20 °C	Quantity 1/4-Plate Kit	Quantity 1-Plate Kit	Storage
Detection Probes, premixed	0.3 mL	1.1 mL	-20 °C
Buffer A	20 mL	20 mL	-20 °C
Buffer B	12 mL	12 mL	-20 °C
DTT	350 µL	350 µL	-20 °C
Protease Inhibitor	350 µL	350 µL	-20 °C
Phosphatase Inhibitor I	350 µL	350 µL	-20 °C
Phosphatase Inhibitor II	350 µL	350 µL	-20 °C

Box 3 of 3- Shipped on Dry Ice Store at -80 °C	Quantity 1/4-Plate Kit	Quantity 1-Plate Kit	Storage
Positive Control Nuclear Extract	40 µL	2 x 40 µL	-80 °C
Negative Control Nuclear Extract	40 µL	2 x 40 µL	-80 °C
Positive Control Whole Cell Lysate	40 µL	2 x 40 µL	-80 °C
Negative Control Whole Cell Lysate	40 µL	2 x 40 µL	-80 °C

Contacting Panomics

For technical questions, contact our technical support group by telephone at 1-877-726-6642 option 3 or by email at techsupport@panomics.com (US and Canada) techsupport_europe@panomics.com (Europe), or visit our website www.panomics.com for an updated list of FAQs and product support literature.

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