



Procarta® Transcription Factor Plex Kit

Product Insert for TF Panel 1

About the Procarta Transcription Factor Plex Kit

Procarta Transcription Factor assays combine two technologies: Affymetrix' patent-pending detection probe separation method and xMAP® (multi-analyte profiling beads) from the Luminex® Corp. Together, these two technologies enable the measurement of DNA binding activity of up to 41 transcription factors from as little as 250 ng of protein from a nuclear extract or 500 ng of protein from a whole cell lysate.

The Affymetrix “By Request” Procarta Transcription Factor Plex Kits are available in 1-plate 96-well formats. Each kit contains all of the reagents and assay controls required to prepare and detect DNA binding activity of customer specified transcription factors from human, mouse, or rat nuclear extracts (includes nuclear extraction kit). The Procarta Transcription Factor Whole Cell Lysis Kits 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
	11	NFκB		42	PPAR
	7	ELK-1		43	SMAD
	12	FAST-1		44	RUNX/AML
	17	OCT		45	BRN-3
	18	p53		46	CEBP
	19	PAX-3		47	NF-Y
	20	NF-E2		51	c-myb
	21	AP-2		52	CREB
	25	NF-E1/YY1		53	ER
	26	ATF-2		54	GR/PR
	27	NF-1		55	HIF-1
	28	ISRE		56	FKHR
	29	PAX-5		61	GATA
	32	Nkx-2.5		62	IRF
	33	AR		63	STAT-1
	34	ETS/PEA		64	HNF-1
	35	AP-1		65	STAT-4
	36	E2F1		66	STAT-5
	37	MYOD		73	MEF-2
	41	STAT-3		76	NFAT
	39	TFIID			

Contents and Storage

Box 1 of 3 Shipped on Blue Ice Store entire box at 4 °C	Quantity 1-Plate Kit	Storage
Capture Beads, premixed	5.0 mL	2–8 °C
Streptavidin-PE	11 mL	2–8 °C
Elution Buffer	7.0 mL	2–8 °C
Binding Buffer	25 mL	2–8 °C
Separation Buffer	200 mL	2–8 °C
Assay Buffer	5.0 mL	2–8 °C
Wash Buffer	110 mL	2–8 °C
Reading Buffer	15 mL	2–8 °C
PCR Plate	1 each	2–8 °C
Sample Collection Plate	1 each	2–8 °C
Utility Plate	1 each	2–8 °C
Separation Plate	1 each	2–8 °C
Filter Plate	1 each	2–8 °C
PCR Plate Seal	1 x 5 each	2–8 °C
Plate Seal	1 x 5 each	2–8 °C

Box 2 of 3- Shipped on dry ice Store at -20 °C	Quantity 1-Plate Kit	Storage
Detection Probe, premixed	1.1 mL	-20 °C
Buffer A	20 mL	-20 °C
Buffer B	12 mL	-20 °C
DTT, 100 mM	350 µL	-20 °C
Protease Inhibitor	350 µL	-20 °C
Phosphatase Inhibitor I	350 µL	-20 °C
Phosphatase Inhibitor II	350 µL	-20 °C

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

Contacting Affymetrix

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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