

Procarta™ Cytokine Assay Kit

Mouse Cytokine

Product Insert

Cat. Nos. PC0101-PC0104, PC3003-PC3018, PC4003-PC4018

About the Procarta Cytokine Assay Kits

Procarta Cytokine assays are multiplex immunoassays based on xMAP detection technology developed by Luminex. This bead-based multiplex assay kit can quantitate up to 20 cytokines from as little as 25 µL of serum, plasma, or cell culture supernatant samples in 3 hours with a sensitivity of less than 10 pg/mL/cytokine.

About the Mouse Cytokine Assay Kit

Procarta Mouse Cytokine Assay Kits are available up to 19-plex in 1- and 10-plate 96-well formats and contain all the reagents required to detect mouse cytokines from cell culture supernatants. For detection of mouse cytokines in plasma or serum, Standard Diluent Kits are available as separate products.

Safety Warnings and Precautions

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	Cytokine
	18	IL-1 α
	19	IL-1 β
	20	IL-2
	21	IL-3
	25	IL-4
	26	IL-5
	27	IL-6
	28	IL-10
	33	IL-12(p40)
	34	IL-12(p70)
	35	IL-17
	36	IL-13
	37	KC
	42	RANTES
	43	IFN γ
	44	GM-CSF
	45	TNF α
	47	MIP-1 α
	52	EOTAXIN

Contents and Storage

Component	1-Plate Kit	10-Plate Kits	Storage
Reading Buffer	40 mL	400 mL	2–8 °C
Assay Buffer, Mouse	9.0 mL	90 mL	2–8 °C
10X Wash Buffer	20 mL	200 mL	2–8 °C
Detection Antibody, Mouse ^a	2.5 mL	25 mL	2–8 °C
Antigen Standards, Mouse (lyophilized) ^b	2 vials	10 vials	2–8 °C
Streptavidin-PE	5.0 mL	50 mL	2–8 °C/dark
Antibody Beads, Mouse ^a	5.0 mL	50 mL	2–8 °C/dark
Filter Plate	1 each	10 x 1 each	15–30 °C
Filter Plate Holder	1 each	10 x 1 each	15–30 °C
Plate Seals	6 sheets	60 sheets	15–30 °C

a. The Antibody Beads and Detection Antibody are premixed and ready to use.

b. The lyophilized Antigen Standard contains all 19 mouse cytokines, independent of the number of plex ordered.

Contacting Panomics

For technical questions, contact our support group by telephone at (877) 726-6642 or by email at techsupport@panomics.com, or visit our website at www.panomics.com.

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