Mouse IP-10/CXCL10 Antibody Pair Set

Catalog No. E-KAB-0552 **Applications** ELISA
Synonyms C7;IFI10;INP10;SCYB10;crg-2;gIP-10;mob-1

Kit components & Storage

Title	Specifications	Storage
Mouse IP-10/CXCL10 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse IP-10/CXCL10 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0552)	
		Mouse IP-10/CXCL10 Capture Antibody	Mouse IP-10/CXCL10 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IP-10/CXCL10 protien	Recombinant Mouse IP-10/CXCL10 protien
	Swissprot	P17515	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse IP-10/CXCL10 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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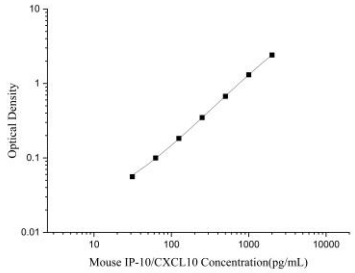
Applications

Mouse IP-10/CXCL10 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Mouse IP-10/CXCL10 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse IP-10/CXCL10 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Pro-inflammatory cytokine that is involved in a wide variety of processes such as chemotaxis , differentiation , and activation of peripheral immune cells , regulation of cell growth , apoptosis and modulation of angiostatic effects.Plays thereby an important role during viral infections by stimulating the activation and migration of immune cells to the infected sites.Mechanistically , binding of CXCL10 to the CXCR3 receptor activates G protein-mediated signaling and results in downstream activation of phospholipase C-dependent pathway , an increase in intracellular calcium production and actin reorganization. In turn , recruitment of activated Th1 lymphocytes occurs at sites of inflammation.Activation of the CXCL10/CXCR3 axis also plays an important role in neurons in response to brain injury for activating microglia , the resident macrophage population of the central nervous system , and directing them to the lesion site. This recruitment is an essential element for neuronal reorganization.

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