

Mouse MI γ /CXCL9 Antibody Pair Set

Catalog No.	E-KAB-0303	Applications	ELISA
Synonyms	Chemokine(C-X-C motif) ligand 9, CXCL9, Monokine induced by gamma interferon, MIG, CMK, Humig, SCYB9, crg-10		

Kit components & Storage

Title	Specifications	Storage
Mouse MI γ /CXCL9 Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse MI γ /CXCL9 Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze / thaw cycles.

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

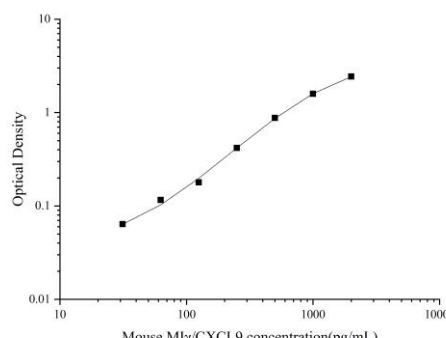
Product Information

Items		Characteristic (E-KAB-0303)	
		Mouse MI γ /CXCL9 Capture Antibody	Mouse MI γ /CXCL9 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse MI γ /CXCL9 protein	Recombinant Mouse MI γ /CXCL9 protein
	Swissprot	P18340	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse MI γ /CXCL9 in ELISAs.	

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Applications

Mouse MIP/CXCL9 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4μg/mL	Mouse MIP/CXCL9 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse MIP/CXCL9 concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.1</td></tr><tr><td>50</td><td>0.2</td></tr><tr><td>100</td><td>0.4</td></tr><tr><td>200</td><td>0.8</td></tr><tr><td>500</td><td>1.5</td></tr><tr><td>1000</td><td>2.5</td></tr><tr><td>2000</td><td>4.0</td></tr></tbody></table>	Mouse MIP/CXCL9 concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	2.5	2000	4.0
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ELISA Detection	1:1000-1:10000	Mouse MIP/CXCL9 Detection Antibody (Biotin)																			

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

Background

CXCL9 (C-X-C Motif Chemokine Ligand 9) is a Protein Coding gene. Diseases associated with CXCL9 include Sydenham Chorea and Endotheliitis. Among its related pathways are Peptide ligand-binding receptors and Chemokine Superfamily Pathway: Human/Mouse Ligand-Receptor Interactions. GO annotations related to this gene include cytokine activity and CXCR3 chemokine receptor binding. An important paralog of this gene is CXCL10. This antimicrobial gene encodes a protein thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils.

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