

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.

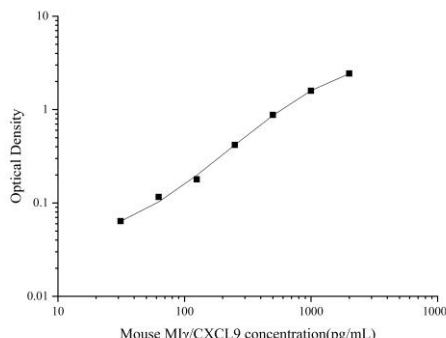
Product Information

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	1 mg/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 MIP1 α /CXCL9 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 μ g/mL	Mouse MIP1 α /CXCL9 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse MIP1α/CXCL9 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (concentration) ranges from 10 to 10000. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of the antigen and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse MIP1α/CXCL9 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Mouse MIP1 α /CXCL9 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse MIP1 α /CXCL9 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse MIP1 α /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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