

Mouse MIP-1 β Antibody Pair Set

Catalog No.	E-KAB-0590	Applications	ELISA
Synonyms	CCL4;ACT2;AT744.1;G-26;HC21;LAG-1;LAG1;MIP-1-beta;MIP1B;MIP1B1;SCYA2;SCYA4		

Kit components & Storage

Title	Specifications	Storage
Mouse MIP-1 β Capture Antibody	1 vial, 100 μ g	Store at -20 $^{\circ}$ C for one year. Avoid freeze/thaw cycles.
Mouse MIP-1 β Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20 $^{\circ}$ 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-0590)	
		Mouse MIP-1 β Capture Antibody	Mouse MIP-1 β Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse MIP-1 β protien	Recombinant Mouse MIP-1 β protien
	Swissprot	P14097	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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 MIP-1 β in ELISAs.	

Applications

Mouse MIP-1 β Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 μ g/mL	Mouse MIP-1 β Capture Antibody	<table border="1"> <caption>Standard Curve Data (Approximate)</caption> <thead> <tr> <th>Mouse MIP-1β 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>1.6</td> </tr> <tr> <td>1000</td> <td>3.2</td> </tr> </tbody> </table>	Mouse MIP-1 β Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.6	1000	3.2
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ELISA Detection	1:1000-1:10000	Mouse MIP-1 β Detection Antibody (Biotin)																	

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

Background

Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta (3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta (3-69) is also a ligand for CCR1 and CCR2 isoform B.