

Human MIP-1 β Antibody Pair Set

Catalog No.	E-KAB-0269	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
Human MIP-1 β Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human MIP-1 β 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.

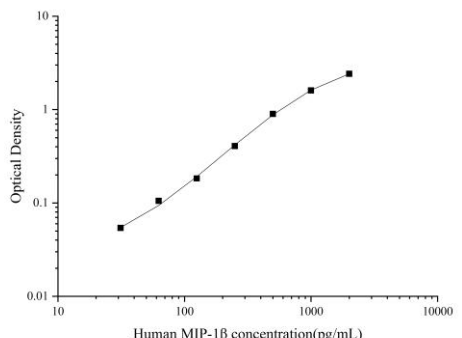
Product Information

Items		Characteristic (E-KAB-0269)	
		Human MIP-1 β Capture Antibody	Human MIP-1 β Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MIP-1 β protein	Recombinant Human MIP-1 β protein
	Swissprot	P13236	
Product details	Reactivity	Human	Human
	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 Human MIP-1 β in ELISAs.	

For Research Use Only

Applications

Human MIP-1 β Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 μ g/mL	Human MIP-1 β Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human MIP-1β concentration (pg/mL). The x-axis ranges from 10 to 10,000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human MIP-1β increases, the optical density also increases proportionally.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MIP-1β 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>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Human MIP-1 β concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
Human MIP-1 β concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	0.8												
10000	3.0												
ELISA Detection	1:1000-1:10000	Human 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

The protein encoded by this gene is a mitogen-inducible monokine and is one of the major HIV-suppressive factors produced by CD8+ T-cells. The encoded protein is secreted and has chemokinetic and inflammatory functions. 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.