

Mouse Macrophage Inflammatory Protein 1 Beta (MIP1b) ELISA Kit-Sandwich

Cat. No.: EK5F190

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Macrophage Inflammatory Protein 1 Beta (MIP1b) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse MIP1b in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Macrophage Inflammatory Protein 1 Beta (MIP1b).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	12.5-800 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

C-C motif chemokine 4, also known as MIP-1 β , is a monokine with inflammatory and chemokinetic properties. As a member of the chemoattractant protein family, MIP-1 β attracts specific immune cells, such as CD4⁺ T cells, to sites of inflammation or infection. It facilitates cell migration and proliferation by binding to its receptor, CCR5. In mice, MIP-1 β primarily functions in immune regulation, inflammatory response, tumor suppression, and infection defense. Mouse models have demonstrated that MIP-1 β enhances the antigen presentation ability of macrophages and promotes local inflammatory responses by inducing the production of superoxide anions.

Target/Biomarker	Mouse MIP1b
Target Synonym	MIP1 Beta; CCL4; ACT2; G-26; LAG1; MIP1-B; SCYA4; Chemokine C-C-Motif Ligand 4; Small Inducible Cytokine A4; Homologous To Mouse Mip-1b; CCL4L1; C C motif

chemokine ligand 4 like 1; CC chemokine ligand 4L1; C-C motif chemokine 4-like; Lymphocyte activation gene 1 protein; Macrophage inflammatory protein 1-beta; Monocyte adherence-induced protein 5-alpha; Small-inducible cytokine A4-like; CCL4L; SCYA4L1; CCL4L2; SCYA4L2

Gene ID	20303
UniProt ID	P14097

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.