

MIP-1b Polyclonal Antibody

Cat #: ABP53378

Size: 30µl /100µl /200µl

Product Information

	Product Name: MIP-1b Polyclonal Antibody		
	Applications: WB, ELISA		Isotype: Rabbit IgG
	Reactivity: Human		
REF	Catalog Number: ABP53378	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: CCL4, also known as macrophage inflammatory protein 1 beta (MIP-1 beta), is a 12 kDa beta chemokine that is secreted at sites of inflammation by activated leukocytes, lymphocytes, vascular endothelial cells, and pulmonary smooth muscle cells. CCL4 attracts a variety of immune cells to sites of microbial infection as well as to other pathologic inflammation such as allergic asthma and ischemic myocardium. A CCL4 deficiency in mice promotes the development of autoantibodies, possibly as a result of compromised regulatory T cell recruitment. CCL4 is secreted from activated monocytes as a heterodimer with CCL3/MIP-1 alpha. The first two N-terminal amino acids can be cleaved from human CCL4 by CD26/DPPIV. Both the full length and truncated forms exert biological activity through CCR5, and the truncated form additionally interacts with CCR1 and CCR2. In humans, the ability of CCL4 to bind CCR5 inhibits the cellular entry of M-tropic HIV-1 which utilizes CCR5 as a co-receptor. Both forms of CCL4 block HIV-1 infection of T cells by inducing the downregulation of CCR5. Mature mouse CCL4 shares 77% and 86% amino acid sequence identity with human and rat CCL4, respectively.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:10000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

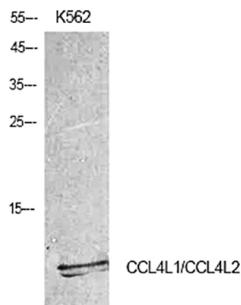


Fig.1. Western Blot analysis of K562 cells using MIP-1b Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody (catalog#: A21020) was diluted at 1:20000.

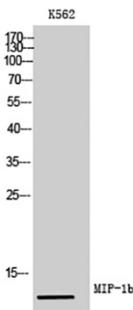


Fig.2. Western Blot analysis of K562 cells using MIP-1b Polyclonal Antibody diluted at 1:500. Secondary antibody (catalog#: A21020) was diluted at 1:20000.

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