



Anti-Human MIP-3 alpha

20200312BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M79
Size:	500 µg
Lot. No.:	According to product label

Preparation: Monoclonal antibodies were produced from a hybridoma using purified recombinant, E. coli derived, human MIP-3 alpha.

Target Background

Synonyms (Target):	CCL20; CKb4; LARC; ST38; MIP3A; MIP-3a; SCYA20
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MIP-3 α is a CC chemokine that is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. MIP-3 α is chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4⁺ T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Human MIP-3 α is an 8.0 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Database References Target

Protein RefSeq:	NP_004582.1
Uniprot ID:	P78556
mRNA RefSeq:	NM_004591

Product Specifications

Species reactivity	Human
Cross reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Purification	Protein A chromatography
Isotype	IgG ₁
Immunogen	Recombinant mouse MIP-3 alpha
Formulation	lyophilized
Reconstitution buffer	water

Reconstitution: Centrifuge the vial prior to opening. Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: Lyophilized antibody is stable at room temperature for up to 1 month and >2 years at -20°C to -80°C. The reconstituted antibody is stable for at least 2 weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

ELISA:

In a sandwich ELISA (assuming 100 µl/well), a concentration of 2 - 4 µg/ml of this antibody will detect at least 1000 pg/ml of recombinant human MIP-3 alpha when used with biotinylated antigen affinity purified anti-human MIP-3 α as the detection antibody at a concentration of approximately 1 - 2 µg/ml.

Western Blot:

To detect Human MIP-3 α by Western Blot analysis this antibody can be used at a concentration of 0.2 - 0.4 µg/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human MIP-3 α is 0.25 - 0.5 ng/lane, under non-reducing conditions.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!