



## Anti-Human MIP-3 beta

20210224BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M80</b>
Size:	500 µg
Lot. No.:	According to product label

**Preparation:** Monoclonal antibodies were produced in BALB/c mice using recombinant human MIP-3-beta as the immunizing antigen. This IgG1/K antibody was purified from a Protein A chromatography column.

### Target Background

<b>Synonyms (Target):</b>	CCL19; ELC; CKb11; MIP3B; MIP-3b; SCYA19
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MIP-3β is a CC chemokine, expressed in the thymus, lymph nodes, and in activated bone marrow stromal cells that signals through the CCR7 receptor. MIP-3β is a chemoattractant for T and B lymphocytes, and myeloid progenitor cells. Human MIP-3β is active on murine cells. Recombinant Murine MIP-3β is a 9.2 kDa protein containing 83 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

#### Database References Target

<b>Protein RefSeq</b>	NP_006265.1.
<b>Uniprot ID:</b>	Q99731
<b>mRNA RefSeq</b>	NM_006274.2

### Product Specifications

<b>Species reactivity</b>	Human
<b>Cross reactivity</b>	n.d.
<b>Isotype/clone no.</b>	IgG1k / G5_4E11.3
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Purification</b>	Protein A chromatography
<b>Immunogen</b>	Recombinant human MIP-3 beta (CCL19)
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	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. 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 recombinant human MIP-3 beta when used with compatible secondary reagents.

##### Western Blot:

To detect Human MIP-3 beta by Western Blot analysis this antibody can be used at a concentration of 1 - 2 µg/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human MIP-3beta is 2 - 4 ng/lane, under reducing conditions.

##### Immunohistochemistry:

This antibody stained PBMC. The primary antibody was incubated at 5 µg/ml for one hour at room temperature followed by a fluorescent labeled secondary antibody.

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