



# Anti-Human MIP-3 beta

20150223ML



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

<b>Cat.-no.:</b>	<b>102-P68</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human MIP 3β (human Macrophage Inflammatory Protein-3 beta). Anti-human MIP 3β specific antibody was purified by affinity chromatography employing immobilized human MIP 3β matrix.

## Target Background

<b>Synonyms (Target):</b>	CCL19; ELC; CKb11; MIP3B; MIP-3b; SCYA19
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MIP-3β is a CC chemokine that is expressed in the thymus, lymph nodes and in activated bone marrow stromal cells and 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 mouse cells. Recombinant human MIP-3β is an 8.8 kDa protein containing 77 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

### Database References Target

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

## Product Specifications

<b>Species reactivity</b>	Human
<b>Clone/Ab feature</b>	Rabbit IgG
<b>Cross reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant mouse MIP-3 beta
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	water

**Reconstitution:** Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

**Stability:** The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two 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

**Neutralization:** To yield one-half maximal inhibition [ND<sub>50</sub>] of the biological activity of hMIP-3b (100 ng/ml), a concentration of 2.7 - 4.0 µg/ml of this antibody is required.

**ELISA:** To detect human MIP-3b by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant human MIP-3b.

**Western Blot:** To detect human MIP-3b by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human MIP-3b is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

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