Anti-Human MIP-5

20150223ML

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**102-P70G**
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human MIP 5 (human Macrophage Inflammatory Protein-5). Anti-human MIP 5 specific antibody was purified by affinity chromatography employing immobilized human MIP 5 matrix.

Target Background

Synonyms (Target):	CCL15; LKN1; NCC3; SY15; HCC-2; LKN-1; MIP-5; NCC-3; SCYL3; MIP-1D; MRP-2B; SCYA15; HMRP-2B

MIP-5 is a CC chemokine that is expressed in the heart, skeletal muscle and adrenal gland. MIP-5 primarily signals through he CCR1 receptor, but also has been found to bind to CCR3. MIP-5 is chemotactic towards T cells and monocytes. Recombinant human MIP-5 is a 10.1 kDa protein containing 92 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines

Database References Target

Protein RefSeq:	NP_116741.1
Uniprot ID:	Q16663
mRNA RefSeq:	NM_032965

Product Specifications

Species reactivity	Human
Clone/Ab feature	Goat IgG
Cross reactivity	Human
Host	Goat
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human MIP-5
Formulation	lyophilized from PBS
Reconstitution buffer	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 [$\mathbf{ND_{50}}$] of the biological activity of hMIP-5 (100.00 ng/ml), a concentration of 2.0 - 3.0 µg/ml of this antibody is required.

ELISA:
Indirect: To detect hMIP-5 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMIP-5.

Sandwich: To detect hMIP-5 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMIP-5.

Western Blot: To detect hMIP-5 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 hMIP-5 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!