

CCL20

Mouse Anti-Human CCL20 / MIP-3 alpha mAb

Catalog No.	CMM106	Quantity:	500 µg
Alternate Names:	C-C motif chemokine 20, Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, Small-inducible cytokine A20		
Description:	The mouse monoclonal antibody recognizes human CCL20 also called MIP-3 alpha, an antimicrobial protein in the subfamily of small cytokine CC proteins which are involved in immuno-regulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. CCL20 signals through the CCR6 receptor. It is chemotactic for lymphocytes and dendritic cells, promotes adhesion of memory CD4+ T cells and can repress proliferation of myeloid progenitors. Human CCL20 is expressed in liver, lymph nodes, appendix, peripheral blood lymphocytes and lung.		
Gene ID:	6364		
UniProt ID:	P78556		
Specificity:	Recognizes human MIP-3 alpha		
Host:	Mouse		
Isotype:	IgG1κ		
Immunogen:	Recombinant human MIP-3 alpha		
Molecular Weight:	8 kDa (70 aa)		
Formulation:	Lyophilized from sterile-filtered PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to fully solubilize the antibody to a concentration of 0.1-1.0 mg/ml.		
Application Notes:	ELISA (sandwich): Recommended concentration of 2-4 µg/ml (100 µl/well) will detect at least 2000 pg/ml of rh MIP-3 alpha, when used with biotinylated antigen affinity purified anti-human MIP-3 alpha as the detection antibody at a concentration of approximately 1 -2 µg/ml. Western Blot: Recommended concentration of 0.2-0.4 µg/ml. The lower detection limit is 0.25 - 0.5 ng rh MIP-3 alpha/ lane under non-reducing conditions when used with compatible secondary reagents. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Upon receipt, store at -20°C to -80°C. Reconstituted antibody is stable for at least 2 weeks at 2-8°C or as aliquots for at least 6 months when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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