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## anti-CCL20 antibody (HRP)





Publication



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Quantity:	100 μg
Target:	CCL20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL20 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	MIP-3 alpha Antibody Peroxidase Conjugated was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human MIP-3alpha protein.  Immunogen Type: RecombinantProtein
Isotype:	IgG
Specificity:	This Protein A purified antibody was heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human MIP-3alpha in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Characteristics:	MIP-3alpha (also known as C-C motif chemokine 20, small-inducible cytokine A20, macrophage inflammatory protein 3 alpha, MIP-3-alpha, liver and activation-regulated chemokine, CC chemokine LARC and beta chemokine exodus-1) is a chemotactic factor that attracts lymphocytes and, slightly, neutrophils, but not monocytes. MIP-3alpha inhibits proliferation of myeloid progenitors in colony formation assays and may be involved in formation and function

of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. MIP-3alpha also possesses antibacterial activity against E.coli and S.aureus. MIP-3alpha is a secreted protein that is expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of expression are also seen in thymus, prostate, testis, small intestine and colon. C-terminal processed forms which lack 1, 3 or 6 amino acids are produced by proteolytic cleavage after secretion from peripheral blood monocytes. Cancer, Cell Biology and Immunology research

Purification:

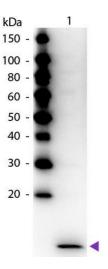
purified

#### **Target Details**

Target Details				
Target:	CCL20			
Alternative Name:	MIP-3 alpha (CCL20 Products)			
Background:	MIP-3α (also known as C-C motif chemokine 20, small-inducible cytokine A20, macrophage			
	inflammatory protein 3 alpha, MIP-3-alpha, liver and activation-regulated chemokine, CC			
	chemokine LARC and beta chemokine exodus-1) is a chemotactic factor that attracts			
	lymphocytes and, slightly, neutrophils, but not monocytes. MIP-3 $\alpha$ inhibits proliferation of			
	myeloid progenitors in colony formation assays and may be involved in formation and function			
	of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards			
	epithelial cells. C-terminal processed forms have been shown to be equally chemotactically			
	active for leukocytes. MIP-3α also possesses antibacterial activity against E.coli and S.aureus.			
	MIP-3 $\alpha$ is a secreted protein that is expressed predominantly in the liver, lymph nodes,			
	appendix, peripheral blood lymphocytes, and fetal lung. Low levels of expression are also seen			
	in thymus, prostate, testis, small intestine and colon. C-terminal processed forms which lack 1,			
	3 or 6 amino acids are produced by proteolytic cleavage after secretion from peripheral blood			
	monocytes. Cancer, Cell Biology and Immunology research			
	Synonyms: MIP-3α, CCL20, C-C motif chemokine 20, small-inducible cytokine A20,			
	macrophage inflammatory protein 3 alpha, MIP-3-alpha, liver and activation-regulated			
	chemokine, CC chemokine LARC and beta chemokine exodus-1			
Gene ID:	6364, 4759076			
UniProt:	P78556			
Pathways:	The Global Phosphorylation Landscape of SARS-CoV-2 Infection			

### **Application Details**

This purified antibody has been tested for use in ELISA and western blotting. By western blot a
band approximately 11 kDa in size corresponding to human MIP-3a protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Gene Name: CCL20
For Research Use only
Lyophilized
Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μL
0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Gentamicin sulfate
Do NOT add Sodium Azide!
4 °C/-20 °C
Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
12 months
Sarmento, Oneto, Pelicci, Pesce, Scipioni, Faretta, Furia, Dellino, Pelicci, Bianchini, Diaspro, Lanzanò: "Exploiting the tunability of stimulated emission depletion microscopy for superresolution imaging of nuclear structures." in: <b>Nature communications</b> , Vol. 9, Issue 1, pp. 3415, (2018) (PubMed).



#### **Western Blotting**

Image 1. Western Blot of Peroxidase Conjugated Rabbit anti-MIP-3α antibody. Lane 1: Human MIP-3α. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Peroxidase rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 11 kDa, 11 kDa for Human MIP-3α. Other band(s): None.