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Datasheet for 209-406-B51

MIP-3 alpha Antibody Biotin Conjugated

Overview

Description:	Anti-Human MIP-3α (RABBIT) Antibody Biotin Conjugated - 209-406-B51
Item No.:	209-406-B51
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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-3α 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-3α 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. MIP-1 alpha Antibody Biotin Conjugated is useful for researchers interested in Cancer, Cell Biology and Immunology Research.
Synonyms:	rabbit anti-MIP-3 alpha Antibody Biotin Conjugated, rabbit anti-MIP-3a biotin Conjugated Antibody, 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
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCL20
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	MIP-3 alpha Antibody Biotin Conjugated was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human MIP-3α protein.
Purity/Specificity:	Human MIP-3 alpha Antibody Biotin Conjugated was heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human MIP-3α in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Relevant Links:	• UniProtKB - P78556 • NCBI - 4759076 • GeneID - 6364

Application Details

Tested Applications:	WB
Application Note:	This purified antibody has been tested in western blotting and is suitable in ELISA. By western blot a band approximately 11 kDa in size corresponding to human MIP-3α protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000-1:5,000
WB:	1:2,000-1:10,000

Formulation

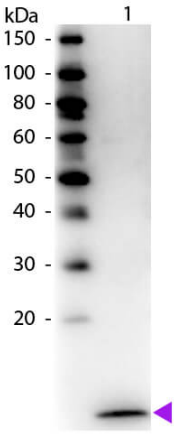
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide

Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store MIP-3 alpha Antibody Biotin Conjugated 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:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Biotin Conjugated Rabbit Anti-Human MIP-3α Antibody. Lane 1: Human MIP-3α. Lane 2: None. Load: 50 ng per lane. Primary antibody: Human MIP-3α antibody at 1:1000 for 60 min at RT. Secondary antibody: Peroxidase conjugated Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 10 kDa, 10 kDa for Human MIP-3α. Other band(s): None.

Disclaimer

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