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Datasheet for 209-306-B51

MIP-3 alpha Biotin Conjugated Antibody

Overview

Description:	Anti-Human MIP-3α (MOUSE) Biotin Conjugated Monoclonal Antibody - 209-306-B51
Item No.:	209-306-B51
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Mouse

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.
Synonyms:	mouse anti-MIP-3 alpha Antibody biotin Conjugated, mouse 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:	Mouse
Conjugate:	Biotin
Clonality:	Monoclonal
Clone ID:	3N2D9
Format:	IgG
F/P Ratio:	10-20

Target Details

Gene Name:	CCL20
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-MIP-3α (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human MIP-3α produced in E.coli followed by hybridoma development.
Purity/Specificity:	This product was purified from mouse ascites by Protein G chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human MIP-3α protein. A BLAST analysis was used to suggest cross-reactivity with MIP-3α from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with MIP-3α from other sources has not been determined.
Relevant Links:	• UniProtKB - P78556 • GeneID - 6364 • NCBI - 4759076

Application Details

Tested Applications:	WB
Application Note:	This purified antibody has been tested for use in Western Blot. 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.
WB:	0.5µg/mL

Formulation

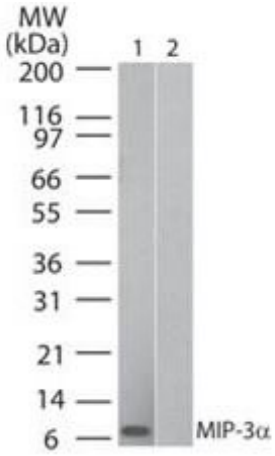
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL

Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Restore with 0.1 mL of deionized water (or equivalent). 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 Unconjugated Human MIP 3α (Mouse) Antibody. Lane 1: human recombinant MIP-3a. Lane 2: mouse recombinant MIP-3a. Primary antibody: Human MIP 3α (Mouse) Antibody (209-301-B51) at 0.5 ug/ml for overnight at 4°C. Secondary antibody: IRDye800™ goat anti-mouse at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.

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