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Datasheet for 210-501-B51

MIP-3 alpha Antibody

Overview

Description:	Anti-Mouse MIP-3α (RAT) Monoclonal Antibody - 210-501-B51
Item No.:	210-501-B51
Size:	100 µg
Applications:	WB
Reactivity:	Mouse
Host Species:	Rat

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:	rat anti-MIP-3α antibody, 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:	Rat
Clonality:	Monoclonal
Clone ID:	4N5F7
Format:	IgG

Target Details

Gene Name:	Ccl20
Reactivity:	Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-MIP-3α (RAT) Monoclonal Antibody was produced in rat by repeated immunizations with mature full length recombinant mouse MIP-3α produced in E.coli followed by hybridoma development.
Purity/Specificity:	This product was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for mouse MIP-3α protein. A BLAST analysis was used to suggest cross-reactivity with MIP-3α from mouse sources based on 100% homology with the immunizing sequence. Cross-reactivity with MIP-3α from other sources has not been determined.
Relevant Links:	• UniProtKB - O89093 • GeneID - 20297 • NCBI - NP_001153210.1

Application Details

Tested Applications:	WB
Application Note:	MIP-3α antibody has been tested for use in western blot and suitable for ELISA, IP, and Neutralization. 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

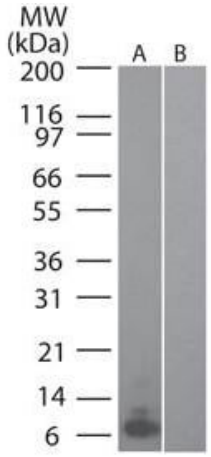
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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 Mouse MIP 3α (RAT) antibody. Lane 1: mouse recombinant MIP-3a. Lane 2: human recombinant MIP-3a. Primary antibody: MIP 3α antibody at 0.1 ug/ml for overnight at 4°C. Secondary antibody: IRDye800™ goat anti-rat at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.