

## Datasheet for 209-401-B51

**MIP-3 alpha Antibody****Overview**

<b>Description:</b>	Anti-Human MIP-3 $\alpha$ (RABBIT) Antibody - 209-401-B51
<b>Item No.:</b>	209-401-B51
<b>Size:</b>	100 $\mu$ g
<b>Applications:</b>	WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	MIP-3 $\alpha$ (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-3 $\alpha$ 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.
<b>Synonyms:</b>	rabbit anti-MIP-3 alpha Antibody, rabbit anti-MIP-3 $\alpha$ Antibody, MIP-3 $\alpha$ , 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
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details****Gene Name:** CCL20

<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Recombinant Protein
<b>Immunogen:</b>	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human MIP-3 $\alpha$ protein.
<b>Purity/Specificity:</b>	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-3 $\alpha$ in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI - 4759076</a></li><li>• <a href="#">UniProtKB - P78556</a></li><li>• <a href="#">GeneID - 6364</a></li></ul>

## Application Details

<b>Tested Applications:</b>	WB
<b>Application Note:</b>	This purified antibody has been tested in western blotting. Reactivity is also expected in ELISA, neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be <10 pg/ $\mu$ L by the LAL method. By western blot a band approximately 11 kDa in size corresponding to native human MIP-3 $\alpha$ protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000-1:100,000
<b>Neutralization:</b>	1:400
<b>WB:</b>	1:500-1:2,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	100 $\mu$ L

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

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## Shipping & Handling

**Shipping Condition:** Ambient

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**Storage Condition:** 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.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## Images



### Western Blot

Western blot using Rockland's anti-Human MIP-3a antibody shows detection of a band ~26 kDa in size corresponding to recombinant human MIP-3a (lane 1). The identity of the lower molecular weight band is unknown. Molecular weight markers are also shown (M). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using peroxidase conjugated anti-Rabbit IgG (p/n 611-103-122) secondary antibody diluted 1:40,000 in blocking buffer (p/n MB-070) for 30 min at RT followed by reaction with FemtoMax™ chemiluminescent substrate. Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).

## 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.