

Datasheet for ABIN1043793
anti-CCL20 antibody (Biotin)



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Overview

Quantity:	100 µg
Target:	CCL20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCL20 antibody is conjugated to Biotin
Application:	Western Blotting (WB)

Product Details

Immunogen:	Anti-MIP-3alpha (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human MIP-3alpha produced in E.coli followed by hybridoma development. Immunogen Type: RecombinantProtein
Clone:	3N2D9
Isotype:	IgG
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-3alpha protein. A BLAST analysis was used to suggest cross-reactivity with MIP-3alpha from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with MIP-3alpha from other sources has not been determined.
Characteristics:	MIP-3alpha (also known as C-C motif chemokine 20, small-inducible cytokine A20, macrophage

Product Details

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.

Purification: purified

Target Details

Target: CCL20

Alternative Name: MIP-3alpha ([CCL20 Products](#))

Background: MIP-3 α (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 α 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 α also possesses antibacterial activity against E.coli and S.aureus. MIP-3 α 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: MIP-3 α , 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

Target Details

UniProt: [P78556](#)

Pathways: [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: This purified antibody has been tested for use in Western Blot. Specific conditions for reactivity should be optimized by the end user.

Comment: Gene Name: CCL20

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μ L

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

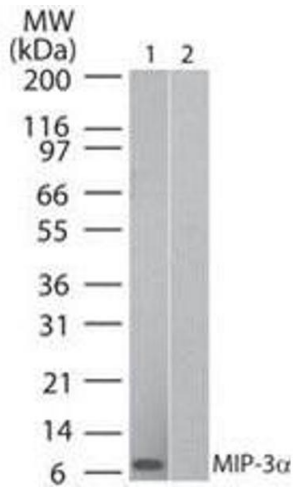
Storage: 4 °C/-20 °C

Storage Comment: 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.

Expiry Date: 12 months

Publications

Product cited in: Baek, Eling: "Changes in gene expression contribute to cancer prevention by COX inhibitors." in: **Progress in lipid research**, Vol. 45, Issue 1, pp. 1-16, (2006) ([PubMed](#)).



Western Blotting

Image 1. Western Blot of Human MIP 3 α (Mouse) Antibody
Lane 1: human recombinant MIP-3a Lane 2: mouse recombinant MIP-3a Primary antibody: Human MIP 3 α (RAT) Antibody at 0.5 ug/ml for overnight at 4°C Secondary antibody: goat anti-rabbit at 1:10,000 for 45 min at RT Block: 5% BLOTTO overnight at 4°C