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Datasheet for ABIN1043833

anti-CCL20 antibody

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	CCL20
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CCL20 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Anti-MIP-3alpha (RAT) Monoclonal Antibody was produced in rat by repeated immunizations with mature full length recombinant mouse MIP-3alpha produced in E.coli followed by hybridoma development. Immunogen Type: Recombinant Protein
Clone:	4N5F7
Isotype:	IgG
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-3alpha protein. A BLAST analysis was used to suggest cross-reactivity with MIP-3alpha from mouse 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.

Sterility: Sterile filtered

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: 20297

Target Details

NCBI Accession: [NP_001153210](#)

UniProt: [O89093](#)

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

Application Details

Application Notes: Specific conditions for reactivity should be optimized by the end user.

Comment: Gene Name: CCL20

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

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

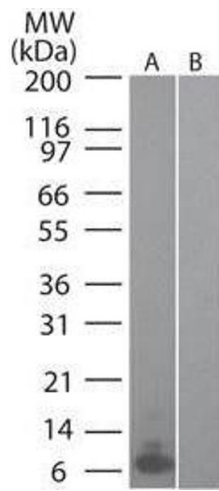
Storage: 4 °C/-20 °C

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: Sarmento, Oneto, Pelicci, Pesce, Scipioni, Faretta, Furia, Dellino, Pelicci, Bianchini, Diaspro, Lanzanò: "Exploiting the tunability of stimulated emission depletion microscopy for super-resolution imaging of nuclear structures." in: **Nature communications**, Vol. 9, Issue 1, pp. 3415, (2018) ([PubMed](#)).



Western Blotting

Image 1. Western Blot of Mouse MIP 3 α (RAT) antibody
Lane 1: mouse recombinant MIP-3 α Lane 2: human recombinant MIP-3 α Primary antibody: MIP 3 α antibody at 0.1 μ g/ml for overnight at 4°C Secondary antibody: goat anti-rat at 1:10,000 for 45 min at RT Block: 5% BLOTTO overnight at 4°C