Datasheet for ABIN1043806

anti-CCL20 antibody (Biotin)

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Overview

Quantity:	100 µg
Target:	CCL20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL20 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	MIP-3 alpha Antibody Biotin Conjugated was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human MIP-3alpha protein. Immunogen Type: RecombinantProtein
Isotype:	IgG
Specificity:	Human MIP-3 alpha Antibody Biotin Conjugatedwas heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human MIP-3alpha in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Characteristics:	MIP-3alpha (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-3alpha inhibits proliferation of myeloid progenitors in colony formation assays and may be involved in formation and function

Product Details

	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. Cancer, Cell Biology and Immunology Research
Purification:	purified

Target Details

Target:	CCL20
Alternative Name:	MIP-3 alpha (CCL20 Products)
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. Cancer, Cell Biology and Immunology Research Synonyms: 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
Gene ID:	6364, 4759076
UniProt:	P78556
Pathways:	The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

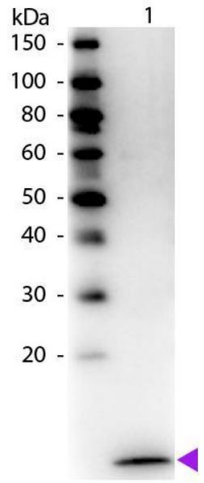
Application Notes:	This purified antibody has been tested for use in ELISA and western blotting. By western blot a band approximately 11 kDa in size corresponding to human MIP-3α protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the 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 µL
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:	Purkey, Woolfrey, Crosby, Stich, Chick, Aoto, DellAcqua: "AKAP150 Palmitoylation Regulates Synaptic Incorporation of Ca2+-Permeable AMPA Receptors to Control LTP." in: **Cell reports**, Vol. 25, Issue 4, pp. 974-987.e4, (2018) (PubMed).



Western Blotting

Image 1. Western Blot of Biotin Conjugated Rabbit Anti-Human MIP-3α Antibody. Lane 1: Human MIP-3α. Lane 2: None. Load: 50 ng per lane. Primary antibody: Human MIP-3α antibody at 1:1000 for 60 min at RT. Secondary antibody: Peroxidase conjugated Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 10 kDa, 10 kDa for Human MIP-3α. Other band(s): None.