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Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated

MIP-3 alpha Antibody Biotin Conjugated
Catalog # ASR5025

Specification

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Biotin**
Target Species	**Mouse**
Reactivity	**Rat, Mouse**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**This purified antibody has been tested by dot blot and is suitable for use in ELISA and western blotting. By western blot a band approximately 10.7 kDa in size corresponding to mouse MIP-3α protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant mouse MIP-3α protein.**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - Additional Information

Gene ID 20297

Other Names
20297

Purity
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 mouse MIP-3α in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.

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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - Protein Information

Name Ccl20

Synonyms Larc, Scya20

Function
Acts as a ligand for C-C chemokine receptor CCR6. Signals through binding and activation of CCR6 and induces a strong chemotactic response and mobilization of intracellular calcium ions (PubMed:20068036, PubMed:9862452). The ligand-receptor pair CCL20-CCR6 is responsible for the chemotaxis of dendritic cells (DC), effector/memory T-cells and B-cells and plays an important role at skin and mucosal surfaces under homeostatic and inflammatory conditions, as well as in pathology, including cancer and autoimmune diseases (PubMed:21376174). CCL20 acts as a chemotactic factor that attracts lymphocytes and, slightly, neutrophils, but not monocytes (By similarity). Involved in the recruitment of both the pro-inflammatory IL17 producing helper T-cells (Th17) and the regulatory T-cells (Treg) to sites of inflammation (PubMed:19050256). Required for optimal migration of thymic natural regulatory T cells (nTregs) and DN1 early thymocyte progenitor cells (PubMed:24638065). Positively regulates sperm motility and chemotaxis via its binding to CCR6 which triggers Ca2+ mobilization in the sperm which is important for its motility (PubMed:25122636). May be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells (PubMed:10064080).

Cellular Location
Secreted {ECO:0000250|UniProtKB:P78556}.

Tissue Location
Thymic medulla (at protein level). Prominently expressed in the small intestine, colon and appendix. Also found in thymus, spleen, lymph node and lung. The long form might be dominant in intestinal, and the short form in lymphoid tissues. Expressed by IL17 producing helper T-cells (Th17).

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - Images

Anti-Mouse MIP-3α (RABBIT) Antibody Biotin Conjugated - 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.