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# Product datasheet for TA397269S

## Ccl20 Rat Monoclonal Antibody [Clone ID: 4N5F7]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | 4N5F7 |
| **Applications:** | WB |
| **Recommended Dilution:** | **WB**: 0.5µg/mL |
| **Reactivity:** | Mouse |
| **Host:** | Rat |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Anti-MIP-3α (RAT) Monoclonal Antibody was produced in rat by repeated immunizations with mature full length recombinant mouse MIP-3α produced in E.coli followed by hybridoma development. |
| **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-3α protein. A BLAST analysis was used to suggest cross-reactivity with MIP-3α from mouse sources based on 100% homology with the immunizing sequence. Cross-reactivity with MIP-3α from other sources has not been determined. |
| **Formulation:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Concentration:** | 1.0 mg/mL - lot specific |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| **Stability:** | Expiration date is one (1) year from date of receipt. |
| **Gene Name:** | chemokine (C-C motif) ligand 20 |
| **Database Link:** | Entrez Gene 20297 Mouse<br>O89093 |

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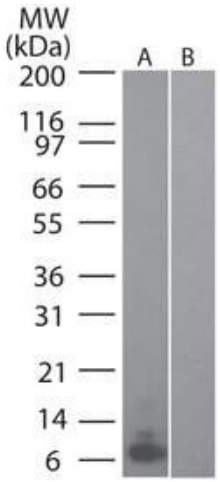
**Background:** MIP-3α (also known as C-C motif chemokine 20, small-inducible cytokine A20, macrophage inflammatory protein 3 alpha, MIP-3-alpha, liver and activation-regulated chemokine, CC chemokine LARC and beta chemokine exodus-1) is a chemotactic factor that attracts lymphocytes and, slightly, neutrophils, 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.

**Synonyms:** rat anti-MIP-3α antibody, 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

**Note:** MIP-3α antibody has been tested for use in western blot and suitable for use in ELISA, IP, and Neutralization. Specific conditions for reactivity should be optimized by the end user.

## Product images:




Western Blot of Mouse MIP 3α (RAT) antibody. Lane 1: mouse recombinant MIP-3a. Lane 2: human recombinant MIP-3a. Primary antibody: MIP 3α antibody at 0.1 ug/ml for overnight at 4°C. Secondary antibody: IRDye800™ goat anti-rat at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.