

# Anti-MIP-3 Alpha/CCL20 Picoband Antibody

Catalog # ABO12878

## Product Information

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| <b>Application</b>       | WB, E                                                                                                    |
| <b>Primary Accession</b> | <a href="#">Ccl20: O89093</a>                                                                            |
| <b>Host</b>              | Rabbit                                                                                                   |
| <b>Reactivity</b>        | Mouse, Rat                                                                                               |
| <b>Clonality</b>         | Polyclonal                                                                                               |
| <b>Format</b>            | Lyophilized                                                                                              |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for MIP-3 Alpha/CCL20 detection. Tested with WB, ELISA(Cap) in Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                     |

## Additional Information

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| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml<br>ELISA(Cap), 0.1-0.5 µg/ml                                                                                                                                                                                                                                          |
| <b>Subcellular Localization</b> | Secreted                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b>       | 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). |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                                                                                                               |
| <b>Immunogen</b>                | E. coli-derived mouse MIP-3 Alpha/CCL20 recombinant protein (Position: A28-M97).                                                                                                                                                                                                                  |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                                                                                                                                      |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins.                                                                                                                                                                                                                                                          |
| <b>Storage</b>                  | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.                                                                                                                |

## Protein Information

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### Background

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Macrophage Inflammatory Protein 3alpha(MIP3alpha), also called Chemokine, cc motif, ligand 20(CCL20).

The MIP-3alpha/CCL20 gene was cloned and sequenced, revealing a four exon, three intron structure, and was localized by FISH analysis to 2q35-q36. MIP3alpha is predominantly expressed in lymph nodes, appendix, PBL, fetal liver, fetal lung and several cell lines. MIP3alpha/CCL20 and its receptor CCR6 are markedly up-regulated in psoriasis, and they may play a role in the recruitment of T cells to lesional psoriatic skin. And Alanine MIP-3alpha and Serine MIP-3alpha, the two forms of MIP3alpha, that differ by one amino acid at the predicted signal peptide cleavage site. Both of them were chemically synthesized and tested for biological activity. And both flu antigen plus IL-2-activated CD4(+) and CD8(+) T lymphoblasts and cord blood-derived dendritic cells responded to Ser and Ala MIP-3alpha.

## Images

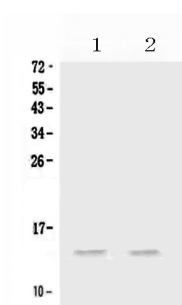


Figure 1. Western blot analysis of MIP-3 Alpha/CCL20 using anti-MIP-3 Alpha/CCL20 antibody (ABO12878). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat testis tissue lysates, Lane 2: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MIP-3 Alpha/CCL20 antigen affinity purified polyclonal antibody (Catalog # ABO12878) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MIP-3 Alpha/CCL20 at approximately 14KD. The expected band size for MIP-3 Alpha/CCL20 is at 14KD.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.