

## Mouse anti-Human CCL19 / MIP3-Beta Monoclonal Antibody | anti-CCL19 antibody

Mouse Monoclonal (IgG1,k) to Human CCL19 / MIP3-Beta

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                              |
|-----------|-------|------------|-------------------------------------------|
| AAA51868  | Mouse | Human      | Western Blot, ELISA, Immunohistochemistry |

### PRODUCT SYNONYMS

CCL19 / MIP3-Beta; Monoclonal Antibody; Mouse Monoclonal (IgG1; k) to Human CCL19 / MIP3-Beta; Anti-CCL19 / MIP3-Beta Antibody IHC-plus; CCL19; C-C motif chemokine 19; CKb11; CC chemokine ligand 19; EBI1 ligand chemokine; EBI1-ligand chemokine; Exodus-3; ELC; MIP-3-beta; MIP3B; SCYA19; Small-inducible cytokine A19; Beta chemokine exodus-3; Beta-chemokine exodus-3; CK beta-11; MIP-3b; MIP3-Beta; Human CCL19; anti-CCL19 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | IgG1,k                                                                                                                                                                                                                                                                                                                |
| Specificity                                     | Human MIP-3beta                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                             | Protein A Purified                                                                                                                                                                                                                                                                                                    |
| Form/Format                                     | Lyophilized from PBS                                                                                                                                                                                                                                                                                                  |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                               |
| Sequence Length                                 | 98                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-CCL19 antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                  |
| Target                                          | CCL19/MIP3-Beta                                                                                                                                                                                                                                                                                                       |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                 |
| Immunogen Species                               | CCL19/MIP3-Beta antibody was raised against Human                                                                                                                                                                                                                                                                     |
| Immunogen Type                                  | Cell extract                                                                                                                                                                                                                                                                                                          |
| Immunogen                                       | CCL19 / MIP3-Beta antibody was raised against e.coli derived recombinant Human MIP-3beta.                                                                                                                                                                                                                             |
| Reconstitution                                  | Reconstitute with sterile water.                                                                                                                                                                                                                                                                                      |
| Disclaimer                                      | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

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|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <b>Preparation and Storage</b>                   | <p>Store Lyophilized at room temperature up to 1 month; Reconstituted for up to two weeks at 2-8 degree C. Aliquot and freeze at -20 degree C for long term storage. Avoid freeze/thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

IMAGES



IHC (Immunohistochemistry)  
Anti-CCL19 antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CCL19 antibody | May play a role not only in inflammatory and immunological responses but also in normal lymphocyte recirculation and homing. May play an important role in trafficking of T-cells in thymus, and T-cell and B-cell migration to secondary lymphoid organs. Binds to chemokine receptor CCR7. Recombinant CCL19 shows potent chemotactic activity for T-cells and B-cells but not for granulocytes and monocytes. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4. |
| Product Categories/Family for anti-CCL19 antibody   | Family: <a href="#">Intercrine</a> ; Subfamily: <a href="#">Intercrine beta</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">5454040</a>                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | <a href="#">6363</a>                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Accession #                 | <a href="#">NP_006265.1</a>                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_006274.2</a>                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt Accession #              | <a href="#">Q99731</a> ; <a href="#">O00697</a> ; <a href="#">O00736</a>                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | C-C motif chemokine 19                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | chemokine (C-C motif) ligand 19                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Symbol             | CCL19                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ELC; CKb11; MIP3B; MIP-3b; SCYA19                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Protein Information         | C-C motif chemokine 19; exodus-3; CK beta-11; MIP-3-beta; EBI1 ligand chemokine; EBI1-ligand chemokine; CC chemokine ligand 19; beta chemokine exodus-3; beta-chemokine exodus-3; small-inducible cytokine A19; macrophage inflammatory protein 3 beta; macrophage inflammatory protein 3-beta; epstein-Barr virus-induced molecule 1 ligand chemokine; small inducible cytokine subfamily A (Cys-Cys), member 19 |
| UniProt Protein Name             | C-C motif chemokine 19                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>CCL19</b>                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | ELC; MIP3B; SCYA19; EBI1 ligand chemokine; ELC; MIP-3-beta                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Entry Name               | CCL19_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.