

## CCL3

# Rabbit Anti-Mouse Macrophage Inflammatory Protein-1 alpha pAb

|                                 |  |                  |        |
|---------------------------------|--|------------------|--------|
| <b>Catalog No.</b>              | PA0962   | <b>Quantity:</b> | 100 µg |
| <b>Alternate Names:</b>         | LD78alpha, MIP1-(α), MIP1-alpha, Mip1α, CCL3, SCYA3  |                  |        |
| <b>Description:</b>             | <p>Rabbit Anti-Mouse Macrophage Inflammatory Protein-1 alpha Polyclonal Antibody.</p> <p>Both MIP-1 α and MIP-1 β are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1 α and MIP-1 β exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1 α selectively attracting CD8+ lymphocytes and MIP-1 β selectively attracting CD4+ lymphocytes. Additionally, MIP-1 α and MIP-1 β have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and mouse MIP-1 α and MIP-1 β are active on human and mouse hematopoietic cells. Recombinant mouse MIP-1 α is a 7.8 kDa protein containing 69 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.</p> |                  |        |
| <b>Gene ID:</b>                 | 20302  |                  |        |
| <b>UniProtKB:</b>               | P10855   |                  |        |
| <b>Specificity:</b>             | Mouse MIP-1 alpha  |                  |        |
| <b>Host:</b>                    | Rabbit   |                  |        |
| <b>Immunogen:</b>               | Recombinant mouse MIP-1 alpha (98% pure)   |                  |        |
| <b>Formulation:</b>             | Lyophilized from PBS   |                  |        |
| <b>Purification:</b>            | Affinity chromatography employing immobilized mouse MIP-1α matrix.   |                  |        |
| <b>Reconstitution:</b>          | <b>Centrifuge vial prior to opening.</b> Add sterile distilled water to the vial to fully solubilize the antibody to a concentration 0.1-1.0 mg/mL.  |                  |        |
| <b>Applications:</b>            | ELISA and Western Blot   |                  |        |
| <b>Application Notes:</b>       | <p><b>Sandwich ELISA:</b> using 100 µL/well antibody solution a concentration of at least 0.5 µg/mL is required. This antibody in conjugation with compatible secondary reagents allows the detection of 0.2–0.4 ng/well of recombinant mouse MIP-1α.</p> <p><b>Western Blot:</b> this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjugation with compatible secondary reagents, the detection limit for recombinant mouse MIP-1α is 1.5-3.0 ng/lane under either reducing or non-reducing conditions. The optimal concentration should be determined by the user for each specific application.</p>   |                  |        |
| <b>Storage &amp; Stability:</b> | <p>Upon receipt store at room temperature for up to one month. upon reconstitution, store at 2-8 °C for up to two weeks or long term in working aliquots at -20 °C for up to 6 months. <b>Avoid repeated freeze-thaw cycles.</b></p>   |                  |        |

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

