

## Recombinant Mouse Chemokine (C-C Motif) Ligand 28

**Cat. No.** Ccl28-92M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant Murine MEC produced in <i>E. Coli</i> is a 12.6 kDa protein containing 111 amino acid residues.                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | MEC also known as CCL28 is a newly discovered CC chemokine. MEC is a chemotactic for resting CD4, CD8 T-cells, eosinophils and binds to CCR10. This                                                                                                                                                                                                                                 |
| <b>Supplied</b>         | The sterile filtered solution was lyophilized from 10mM NaCitrate pH4.0.                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 98% by SDS-Page analysis Endotoxin <1EU/ug.                                                                                                                                                                                                                                                                                                                                       |
| <b>Reconstitution</b>   | The murine MEC should be reconstituted in water or 10mM NaCitrate pH4.0 to a concentration of 0.1-1mg/ml. Allow to set at least 30 minutes at 4-8°C, Mix well. If desired, centrifuge for 1-2 minutes at 1000 rpm to concentrate material in vial. This solution can be diluted into other buffered solutions and stored at 4°C for up to 1 week or stored at -20°C for future use. |
| <b>Note</b>             | If this material is not to be used for coating or labeling (or other applications requiring carrier free material), the addition of 0.1% BSA to dilution buffers or dilution in sterile culture media is recommended to enhance stability and minimize absorption to vial. Ideally, maintain stock >20ug/ml.                                                                        |

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| <b>Reactivity</b>          | Determined by its ability to chemoattract murine lymphocytes using a concentration range of 1.0 - 10.0 ng/ml.                                                                                           |
| <b>Storage</b>             | The powder is stable at room temperature for a few weeks but it is best stored desiccated at -20°C. Reconstituted MEC should be stored in working aliquots at -20°C. Avoid Frequent Freeze-Thaw Cycles. |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                         |
| <b>Gene Name</b>           | Ccl28 chemokine (C-C motif) ligand 22 [ Mus musculus ]                                                                                                                                                  |
| <b>Synonyms</b>            | Ccl28; chemokine (C-C motif) ligand 28; CCK1; MEC; Scya28; small inducible cytokine A28                                                                                                                 |
| <b>Gene ID</b>             | 56838                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_020279                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_064675                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q9JIL2                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 13                                                                                                                                                                                                      |
| <b>Pathway</b>             | Chemokine signaling pathway; Cytokine-cytokine receptor interaction                                                                                                                                     |
| <b>Function</b>            | chemokine activity; cytokine activity                                                                                                                                                                   |