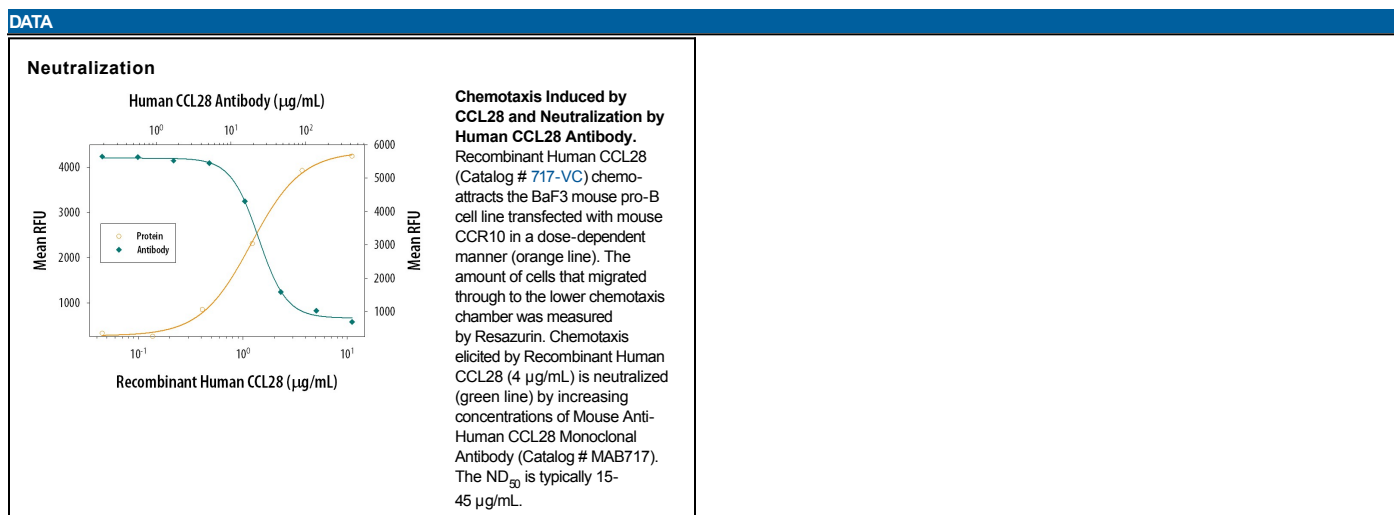


| DESCRIPTION               |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human CCL28 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human CCL1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, recombinant mouse CCL1, 2, 3, 4, 5, 6, 7, 9, 11, 19, 21, 22, 25, or recombinant rat CCL20 is observed. |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 62705   |
| <b>Purification</b>       | Protein A or G purified from ascites  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human CCL28<br>Ile23-Tyr127<br>Accession # Q9NRJ3   |
| <b>Endotoxin Level</b>    | <0.10 EU per 1 µg of the antibody by the LAL method.  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.   |

| APPLICATIONS   |   |  |
|--|---|--|
| <b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website. |   |  |
|  | <b>Recommended Concentration</b>  | <b>Sample</b>                              |
| <b>Western Blot</b>  | 1 µg/mL   | Recombinant Human CCL28 (Catalog # 717-VC) |
| <b>Neutralization</b>  | Measured by its ability to neutralize CCL28-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CCR10. The Neutralization Dose (ND <sub>50</sub> ) is typically 15-45 µg/mL in the presence of 4 µg/mL Recombinant Human CCL28. |  |



| PREPARATION AND STORAGE        |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Reconstitute at 0.5 mg/mL in sterile PBS.  |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C   |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

**BACKGROUND**

Human CCL28 (CC chemokine ligand 28) is a 127 amino acid (aa) precursor protein with a putative 22 aa signal peptide that is cleaved to produce the 105 aa residue mature protein. Mature human and mouse CCL28 share 83% aa sequence identity. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Human and mouse CCL28 RNA expression is highest in epithelial cells of normal and pathologic colon. Human CCL28 RNA is also present in normal and asthmatic lung tissues. CCR10 (GPR2 orphan receptor) is the receptor for both CCL27/CTACK and CCL28.

**References:**

1. Wang, W. *et al.* (2000) *J. Biol. Chem.* **275**:22313.