

# Recombinant Human Mucosae-associated Epithelial Chemokine/CCL28 (rHuMEC/CCL28)

## ChemWhat Technical Data Sheet (TDS)

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| <b>Catalog Number:</b>          | 204-28   |
| <b>Source:</b>                  | <i>Escherichia coli</i> .  |
| <b>Molecular Weight:</b>        | Approximately 12.4 kDa, a single non-glycosylated polypeptide chain containing 108 amino acids.  |
| <b>Quantity:</b>                | 5µg /20µg /1000µg  |
| <b>AA Sequence:</b>             | SEAILPIASS CCTEVSHHIS RLLERVNMC RIQRADGDCD LAAVILHVKR RRICVSPHNH<br>TVKQWMKVQA AKKNGKGNVC HRKKHHGKRN SNRAHQGKHE TYGHKTPY   |
| <b>Purity:</b>                  | > 97 % by SDS-PAGE and HPLC analyses.  |
| <b>Biological Activity:</b>     | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 1.0-10.0 ng/ml.  |
| <b>Physical Appearance:</b>     | Sterile Filtered White lyophilized (freeze-dried) powder.  |
| <b>Formulation:</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl.   |
| <b>Endotoxin:</b>               | Less than 1 EU/µg of rHuMEC/CCL28 as determined by LAL method.   |
| <b>Reconstitution:</b>          | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions. |
| <b>Shipping:</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  |
| <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>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>                                 |
| <b>Usage:</b>                   | <b>ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.</b>   |

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### ***Human Mucosae-associated Epithelial Chemokine/CCL28***

CCL28 belongs to CC family chemokine, also named mucosae-associated epithelial chemokine (MEC). The CCL28 cDNA is located on Chr.5 in humans, and the mRNA of CCL28 is highly expressed by epithelial cells of diverse tissues including normal and pathological colon, salivary gland, mammary gland, trachea and rectum. The amino acids sequence of human and mouse CCL28 shares 83 % identity, when the protein is processed to be the mature form. CCL28 is signaling through CCR3 and CCR10, and chemotactic for resting CD4, CD8 T-cells and eosinophils.