

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Recombinant Mouse MEC/CCL28 (rMuMEC/CCL28)

Catalog Number: PR2007

Source: Escherichia coli.

Quantity: 5µg/20µg/0.5mg

#### Description

Mouse CCL28 (CC chemokine ligand 28) is a novel CC chemokine cloned from a Rag1 mouse kidney cDNA library. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. 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. Mouse CCL28 is produced by epithelial cells. Based on Northern blot analysis, it is mainly expressed in testes, kidney and brain. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK.

#### Molecular Weight:

12.6 kDa, a single, non-glycosylated polypeptide chain containing 111 amino acids.

#### Purity:

>97% by SDS-PAGE and HPLC analyses.

#### Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract murine lymphocytes using a concentration range of 1.0-10.0 ng/ml, corresponding to a Specific Activity of  $\geq 1 \times 10^5$  IU/mg.

#### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

#### AA Sequence:

SEAILPMASSCCTEVSHHVSGRLLEVS  
SCSIQRADGDCDLAAVILHVKKRRICIS  
PHNRTLKQWMRASEVKKNGRENVCSG  
KKQPSRKDRKGHTTRKHRTRGTHRHE  
ASR

#### Endotoxin:

Less than 1EU/µg of rMuMEC/CCL28 as determined by LAL method.

#### Reconstitution:

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  $\leq -20^\circ\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

#### Storage:

This lyophilized preparation is stable for several weeks at  $2-8^\circ\text{C}$ , but should be kept at  $-20^\circ\text{C}$  for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at  $2-8^\circ\text{C}$ . For maximal stability, apportion the reconstituted preparation into working aliquots and store at  $-20^\circ\text{C}$  to  $-70^\circ\text{C}$ . Avoid repeated freeze/thaw cycles.

#### Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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