

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant MIP-3 $\alpha$ /CCL20, Human(CHO-expressed)

Catalog Number: BK0272-25 $\mu$ g

Source: CHO

Quantity: 25 $\mu$ g

### Description:

Chemokine (C-C motif) ligand 20 (CCL20) also known as liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3  $\alpha$ ) is a small cytokine belonging to the CC chemokine family. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. Additionally, it promotes the adhesion of memory CD4<sup>+</sup> T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Recombinant human MIP-3  $\alpha$ /CCL20 produced in CHO cells is a polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhMIP-3  $\alpha$ /CCL20 has a molecular mass of 8kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

### Molecular Weight:

8 kDa, observed by reducing SDS-PAGE.

### Purity:

> 98% as analyzed by SDS-PAGE.

### Biological Activity:

The EC<sub>50</sub> value of human MIP-3  $\alpha$ /CCL20 on Ca<sup>2+</sup> mobilization assay in CHO-K1/Ga15/hCCR6 cells (human Ga15 and human CCR6 stably expressed in CHO-K1 cells) is less than 200 ng/ml.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

ASNFDCCCLGYT-  
DRILHPKFIVGFTRQLANEGCDINAIIFHT-  
KKKLSVCANPKQTWVKYIVRLLSKKVKNM

### Endotoxin:

< 0.2 EU/ $\mu$ g, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

### Storage:

Lyophilized recombinant Human MIP-3  $\alpha$ /CCL20 remains stable up to 6 months at -80  $^{\circ}$ C from date of receipt. Upon reconstitution, Human MIP-3  $\alpha$ /CCL20 should be stable up to 1 week at 4  $^{\circ}$ C or up to 2 months at -20  $^{\circ}$ C.

### Usage:

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