Recombinant CCL7 (MCP-3), biotinylated

ORDERING INFORMATION

Catalog No.	Size
50189PB-2	2ug
50189PB-10	10ug
50189PB-50	50ug
50189PB-100	100ug

RELATED PRODUCTS

#1112 Anti-Human CCR5 Antibody

BACKGROUND

CCL7, also known as Monocyte Chemotactic Protein-3 (MCP-3), is a secreted chemokine that attracts macrophages, monocytes, and eosinophils during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. *In vivo*, this protein is a substrate of matrix metalloproteinase 2 (MMP2), an enzyme that degrades components of the extracellular matrix. The gene that encodes CCL7 is part of a cluster of C-C chemokine family members on chromosome 17q. CCL7 binds to CCR1, CCR2, and CCR3 receptors and appears to be an antagonist for the CCR5 receptor.

DESCRIPTION

Source: Recombinant human CCL7 is produced in *E. coli* (accession no. P80098).

Modification: Biotinylated

Protein Sequence: QPVGINTSTTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFK TKLDKEICADPTQKWVQDFMKHLDKKTQTPKLKLGSGLNDIFE AQKIEWHE

Molecular Mass: 11.2kDa by Mass Spec.

Purity: >97% by SDS-PAGE

Activity: EC50 = 1.4-2.6nM determined by migration of recombinant CCR2-expressing cells.

Endotoxin Level: <0.01 EU per 1ug of protein by LAL method.

Form: Lyophilized.

Carrier Protein: None.

PREPARATION AND STORAGE

Reconstitution: Recommended at 100ug/ml in sterile distilled water.

Stability and Storage: 12 months from date of receipt, -20°C to -70°C, as supplied.
1 month, 2°C to 8°C, under sterile conditions after reconstitution.
3 months, -20°C to -70°C, under sterile conditions after reconstitution.

For in vitro investigational use only. Not for use in diagnostic or therapeutic procedures.

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