

RP01611LQ

Leader in Biomolecular Solutions for Life Science



Recombinant Human CCL5/RANTES Protein

Catalog No.: RP01611LQ

Recombinant

Sequence Information

Species Gene ID Swiss Prot

<I>Pichia</I> 16352 P13501
>

Tags

C-His

Synonyms

D17S136E; eoCP; RANTES; SCYA5; SIS-delta; SISd; TCP228; CCL5

Product Information

Source

<I>Pichia</I>

Purification

> 95% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Reconstitution

Background

Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

Basic Information

Description

Recombinant Human CCL5/RANTES Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ser24-Ser91) of human CCL5/RANTES (Accession #NP_002976.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01611LQ) at 2 μg/mL (100 μL/well) can bind Mouse CXCL4 (Catalog: RP03170) with a linear range of 41.2-815 ng/mL.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

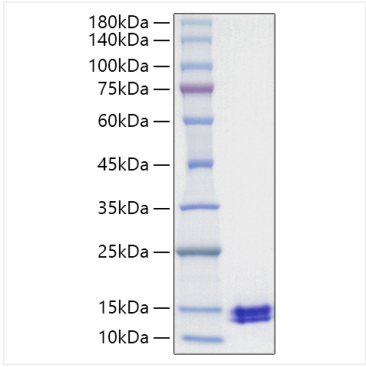
Contact



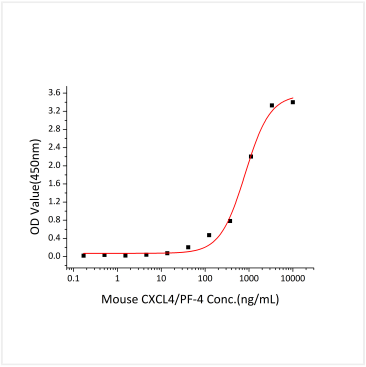
www.abclonal.com

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human CCL5/RANTES Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01611LQ) at 2 µg/mL (100 µL/well) can bind Mouse CXCL4(Catalog: RP03170) with a linear range of 41.2-815 ng/mL.