Recombinant Human CCL5/RANTES Protein

Catalog No.: RP01750LQ

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Sequence Information

Species
Human

Gene ID
6352

Swiss Prot
P13501

Tags
C-6His

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

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
8.69 kDa

Observed MW
10-15 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

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 *E. coli* expression system. The target protein is expressed with sequence (Ser24-Ser91) of human CCL5/RANTES (Accession #NP_002976.2) fused with and a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01750LQ) at 5 μg/mL (100 μL/well) can bind Mouse CXCL4 (Catalog: RP03170) with a linear range of 10-252.6 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

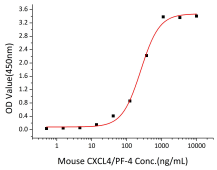
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

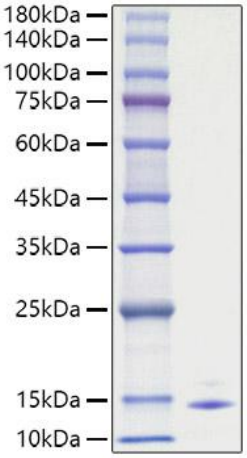
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01750LQ) at 5 μg/mL (100 μL/well) can bind Mouse CXCL4 (Catalog: RP03170) with a linear range of 10-252.6 ng/mL.



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