Recombinant Mouse CXCL4/PF-4 Protein

Catalog No.: RP03170

Sequence Information

Species
Mouse

Gene ID
56744

Swiss Prot
Q9Z126

Tags
C-hFc

Synonyms
Pf4, Cxcl4, Scyb4, Platelet factor 4, PF-4, C-X-C motif chemokine 4

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by SDS-PAGE;≥ 90% as determined by HPLC.

Calculated MW
34.17 kDa

Observed MW
40-45 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair.

Basic Information

Description
Recombinant Mouse CXCL4/PF-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val30-Ser105) of Mouse CXCL4/PF-4 (Accession #NP_064316.1) fused with a hFc 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 -20℃

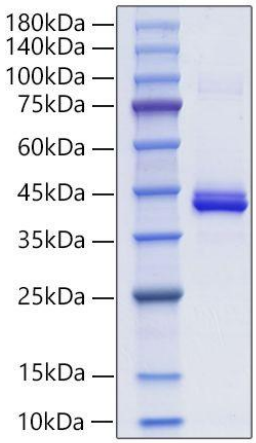
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

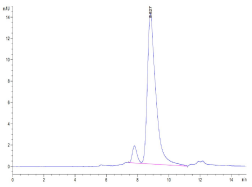
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

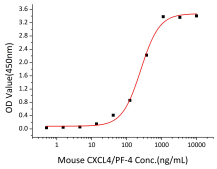
Validation Data



Recombinant Mouse CXCL4/PF-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Mouse CXCL4 is greater than 90% as determined by SEC-HPLC.



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