

Recombinant Human LFA-3/CD58 Protein

Catalog No.: RP00257 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	965	AAH05930.1

Tags

C-hFc&His

Synonyms

CD58; LFA-3; LFA3; ag3; CD58 molecule; LFA-3; LFA3; ag3

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
48.25 kDa	65-100 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human LFA-3/CD58 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Phe 29 - Arg 215) of human CD58 (Accession #BC005930) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Human CD2 at 2 μg/mL (100 μL/well) can bind Human CD58 with a linear range of 1.22-34.4 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized CD58 (LFA-3) Monoclonal Antibody at 1 μg/mL (25 μL/well) can bind Recombinant Human CD58 with a linear range of 0.5-6.4 ng/mL.

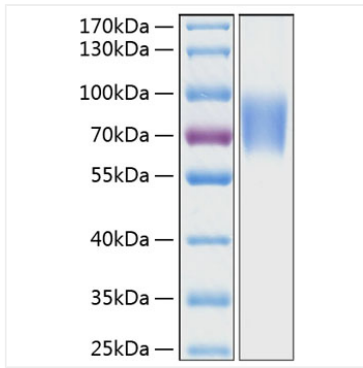
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

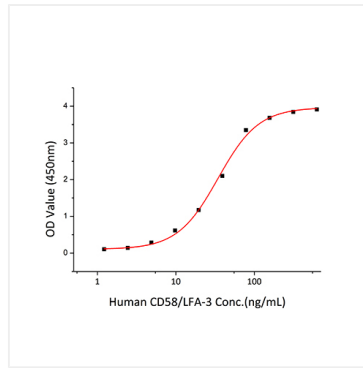
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

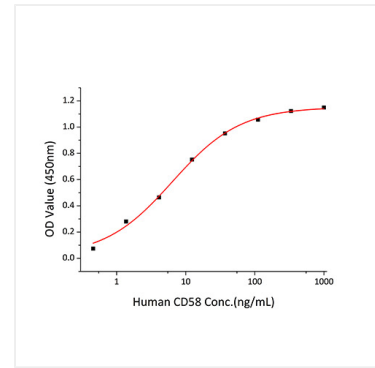
Validation Data



Recombinant Human LFA-3/CD58 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65-100 kDa.



Immobilized Human CD2 at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human CD58 with a linear range of 1.22-34.4 ng/mL.



Immobilized CD58 (LFA-3) Monoclonal Antibody at 1 $\mu\text{g/mL}$ (25 $\mu\text{L/well}$) can bind Recombinant Human CD58 with a linear range of 0.5-6.4 ng/mL.