Recombinant Human CD6 Protein

Catalog No.: RP01081

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Sequence Information

Species
Human

Gene ID
923

Swiss Prot
P30203

Tags
C-hFc&His

Synonyms
CD6,TP120

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
67.36 kDa

Observed MW
110-130 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 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

Basic Information

Description
Recombinant Human CD6 Protein is produced by HEK293cells expression system. The target protein is expressed with sequence (His18-Glu398) of human CD6 (Accession #NP_006716.3) fused with an Fc, 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Human CD166 at 1 μg/mL (100 μL/well) can bind Human CD6 with a linear range of 4-389 ng/mL.
2.Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8×104 cells/well are added to CD6 coated plates (5 μg/mL and 100 μL/well) in the ppresence of 10μg/ml PHA, approximately 60-70% cells will adhere specifically after 60 minutes at 37℃.

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℃

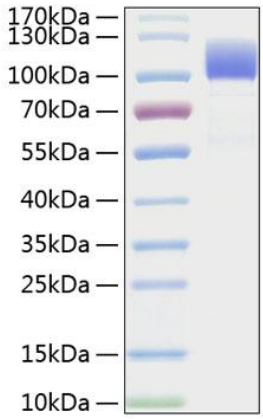
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

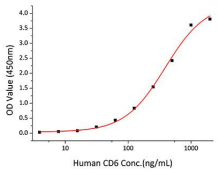
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Validation Data



Recombinant Human CD6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized recombinant Human CD166 at 1 μg/mL (100 μL/well) can bind Human CD6 with a linear range of 4-389ng/mL.