Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein

Catalog No.: RP00136

Sequence Information

Species
Human, Cynomolgus, Rhesus macaque

Gene ID
940

Swiss Prot
P10747

Tags
C-His

Synonyms
CD28,Tp44

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
15.98 kDa

Observed MW
35-50 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

The protein Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation. Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells.

Basic Information

Description
Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asn19-Pro152) of human CD28/TP44 (Accession #NP_006130.1) fused with a 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Human CD28 Protein at 1 μg/mL (100 μL/well) can bind CD28 Rabbit mAb with a linear range of 0.06-1.04 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℃

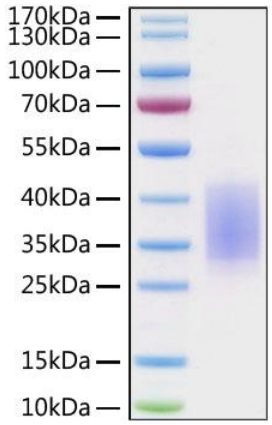
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

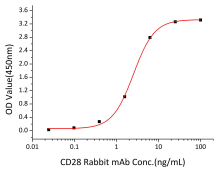
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Validation Data



Recombinant Human CD28 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Measured by its binding ability in a functional ELISA. Immobilized Human CD28 (Catalog: RP00136) at 1 μg/mL (100 μL/well) can bind CD28 Rabbit mAb(Catalog: A20346) with a linear range of 0.024-2.5 ng/mL.