

RP00569

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Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein

Catalog No.: RP00569

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	940	P10747-1

Tags

N-mFc

Synonyms

CD28 antigen (Tp44); CD28 antigen; CD28 molecule; CD28; MGC138290; T-cell-specific surface glycoprotein CD28; Tp44

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 1 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.

Background

CD28 is the receptor for CD80 (B7-1) and CD86 (B7-2) proteins. When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells.

Basic Information

Description

Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn19-Pro152) of Human/Cynomolgus/Rhesus-macaque CD28 (Accession #P10747-1) fused with a N-mFc tag at the N-terminus.

Bio-Activity

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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Reconstitution

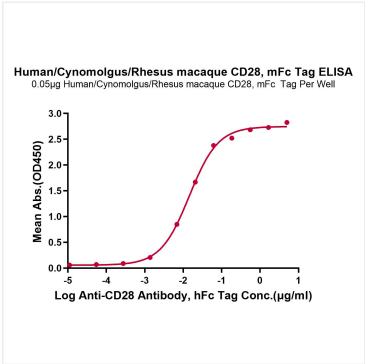
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Contact

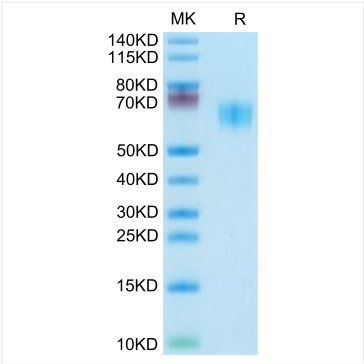


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Validation Data



Immobilized
Human/Cynomolgus/Rhesus macaque CD28, mFc (IgG2a) Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD28 Antibody, hFc Tag with the EC₅₀ 14.5ng/mL determined by ELISA.



Recombinant
Human/Cynomolgus/Rhesus macaque CD28 Protein was determined by Tris-Bis PAGE under reducing conditions.