

Active Recombinant Human/Cynomolgus/Rhesus macaque CD28 protein, mFc-tagged, low endotoxin

Cat. No. CD28-336H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Cynomolgus/Rhesus macaque CD28 protein (Asn19-Pro152)(low endotoxin), fused to Mouse IgG2a Fc tag at C-terminus, was expressed in human 293 cells (HEK293).In the region Asn19-Pro152, the AA sequence of Human, Cynomolgus and Rhesus macaque CD28 are homologous.
Species	Human
Source	HEK293
ProteinLength	Asn 19 - Pro 152
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human / Cynomolgus / Rhesus macaque CD28, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Human B7-2, Fc Tag with a linear range of 0.1-5 µg/mL.
Molecular Mass	The protein has a calculated MW of 42.0 kDa. The protein migrates as 50-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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>90% as determined by SEC-MALS.

Storage

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

CD28 CD28 molecule [Homo sapiens]

Official Symbol

CD28

Synonyms

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

Gene ID

940

mRNA Refseq

NM_001243077

Protein Refseq

NP_001230006

MIM

186760

UniProt ID

P10747

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