Recombinant Human / Cynomolgus / Rhesus macaque CD28 protein(Asn 19 - Pro 152), C-hFc-tagged

Cat. No. CD28-3909H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human / Cynomolgus / Rhesus macaque CD28 protein(Asn 19 - Pro 152)(P10747-1), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human / Cynomolgus / Rhesus macaque
Source	HEK293
ProteinLength	1-152 a.a.
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human / Cynomolgus / Rhesus macaque CD28, Fc Tag (HPLC-verified) at 5 μg/mL (100 μL/well) can bind Biotinylated Human B7-2, Fc,Avitag with a linear range of 0.019-0.625 μg/mL.
Molecular Mass	The protein has a calculated MW of 41.6 kDa. The protein migrates as 53-66 kDa under reducing (R) condition, and 100-120 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C 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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