

Active Recombinant Human / Cynomolgus / Rhesus Monkey CD28 Protein, Fc & Avi-tagged, Biotinylated

Cat. No. CD28-338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human / Cynomolgus / Rhesus Monkey CD28 Protein, Fc & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Asn 19 - Pro 152 (Accession # AAH93698). Predicted N-terminus: Asn 19. This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag. The protein has a calculated MW of 43.6 kDa. As a result of glycosylation, the protein migrates as 55-66 kDa under reducing (R) condition, and 110-130 kDa under non-reducing (NR) condition (SDS-PAGE).

Species Human / Cynomolgus / Rhesus macaque

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 B7-2, Fc Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human / Cynomolgus / Rhesus Monkey CD28 Protein, Fc & Avi-tagged, Biotinylated with a linear range of 0.15-5 µg/mL (QC tested).
Immobilized Anti-CD28 MAb, Mouse IgG1 at 5 µg/mL (100 µL/well) can bind Recombinant Human / Cynomolgus / Rhesus Monkey CD28 Protein, Fc & Avi-tagged, Biotinylated with a linear range of 2.4-39 ng/mL (Routinely tested).

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	Immobilized Human B7-1, Fc Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human / Cynomolgus / Rhesus Monkey CD28 Protein, Fc & Avi-tagged, Biotinylated with a linear range of 0.313-5 µg/mL (Routinely tested).
Molecular Mass	43.6 kDa
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD28 CD28 molecule [Homo sapiens]
Official Symbol	CD28

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Synonyms	CD28; CD28 molecule; CD28 antigen (Tp44); CD28 antigen; Tp44; MGC138290;
Gene ID	940
mRNA Refseq	NM_001243077
Protein Refseq	NP_001230006
MIM	186760
UniProt ID	P10747

