

CD28 recombinant protein

Biotinylated Human/Cynomolgus/Rhesus macaque CD28 Protein Recombinant

CATALOG #	HOST
AAA76181	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

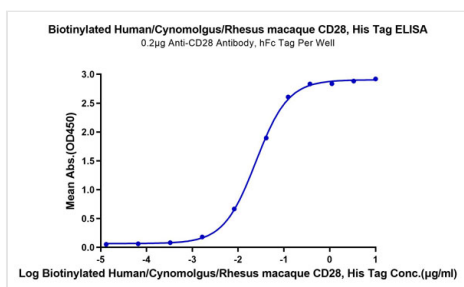
PRODUCT SYNONYMS

CD28; Biotinylated Human/Cynomolgus/Rhesus macaque CD28 Protein Recombinant; CD28 recombinant protein

PRODUCT SPECIFICATIONS

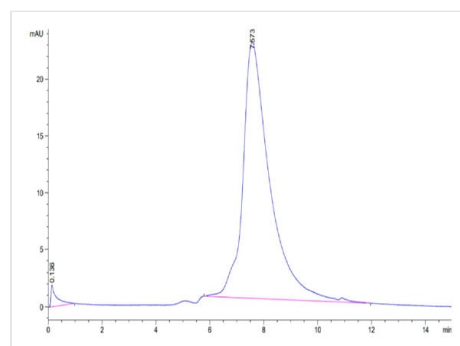
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human/Cynomolgus/Rhesus macaque CD28 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human/Cynomolgus/Rhesus macaque CD28 including a N-His-Avi tag was expressed in HEK293 Cells.The recombinant protein was then biotinylated site specific using the AVitag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



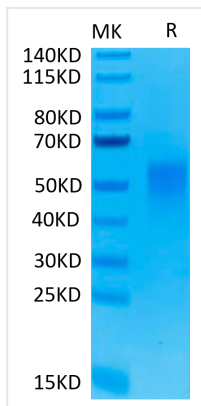
ELISA

Biotinylated Human/Cynomolgus/Rhesus macaque CD28 Protein ELISA Data: Immobilized Anti-CD28 Antibody, hFc Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human/Cynomolgus/Rhesus macaque CD28, His Tag with the EC50 of 24.4 ng/ml determined by ELISA.



Application Data

Biotinylated Human/Cynomolgus/Rhesus macaque CD28 Protein SEC-HPLC: The purity of Biotinylated Human/Cynomolgus/Rhesus macaque CD28 is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human/Cynomolgus/Rhesus macaque CD28 Protein Tris-Bis PAGE
 Biotinylated Human/Cynomolgus/Rhesus macaque CD28 on Tris-Bis PAGE under reduced condition.
 The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for CD28 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	340545508
NCBI GeneID	940
NCBI Accession #	NP_001230006.1
NCBI GenBank Nucleotide #	NM_001243077.1
UniProt Accession #	P10747; P0A0L2; P01552; P33681 CD80_HUMAN; P42081 CD86_HUMAN
Molecular Weight	25,066 Da
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28 isoform 2
NCBI Official Synonym Full Names	CD28 molecule
NCBI Official Symbol	CD28
NCBI Official Synonym Symbols	Tp44
NCBI Protein Information	T-cell-specific surface glycoprotein CD28; CD28 antigen
UniProt Protein Name	T-cell-specific surface glycoprotein CD28
UniProt Gene Name	CD28
UniProt Entry Name	CD28_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.