

Datasheet for ABIN7274256

**CD28 Protein (CD28) (His-Avi Tag,Biotin)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	CD28
Origin:	Human, Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD28 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Sequence:	Asn19-Pro152
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-CD28 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human/Cynomolgus/Rhesus macaque CD28, His Tag with the EC50 of 24.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	CD28
Alternative Name:	CD28 ( <a href="#">CD28 Products</a> )
Background:	CD28 antigen (Tp44), CD28 Molecule, CD28, MGC138290,CD28 is the receptor for CD80 (B7-1) and CD86 (B7-2) proteins.When activated by Toll-like receptor ligands, the CD80 expression is

## Target Details

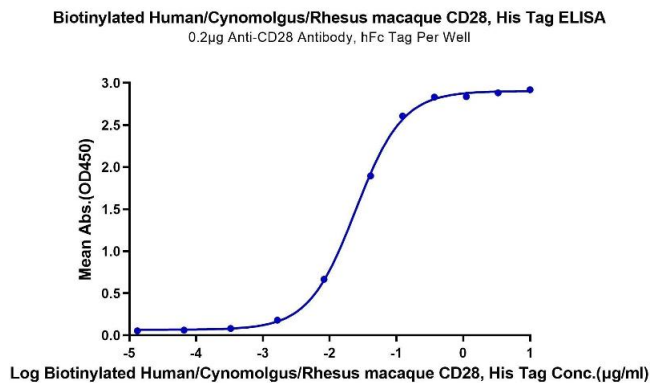
	upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells.
Molecular Weight:	18.2 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P10747</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

Restrictions:	For Research Use only
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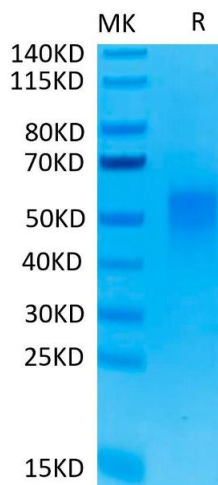
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



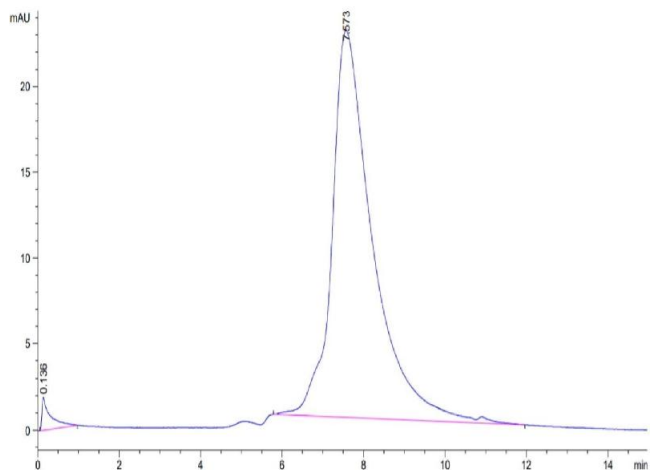
#### ELISA

**Image 1.** 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.



#### SDS-PAGE

**Image 2.** Biotinylated Human/Cynomolgus/Rhesus macaque CD28 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



#### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Biotinylated Human/Cynomolgus/Rhesus macaque CD28 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274256.