

Datasheet for ABIN6961087

CD28 Protein (CD28) (mFc-His Tag)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD28
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD28 protein is labelled with mFc-His Tag.
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Recombinant human CD28 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	CD28 (Asn19-Pro152) mFc (Pro99-Lys330) 6xHis
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD28
Alternative Name:	CD28 (CD28 Products)
Background:	Synonyms: CD28, Tp44

Target Details

	Description: The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	predicted molecular mass of 68-72 kDa after removal of the signal peptide.
Gene ID:	940
UniProt:	P10747
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

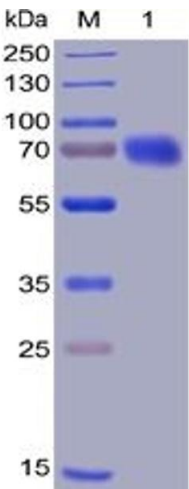
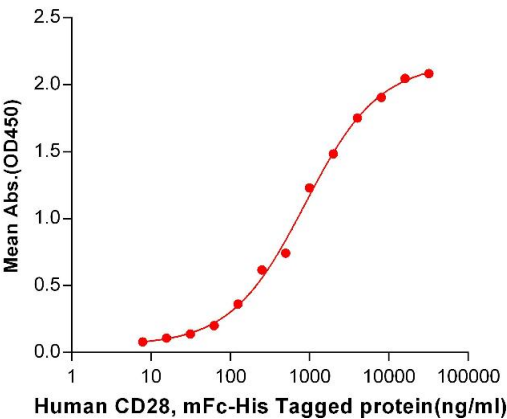
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Preservative:	Without preservative
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Human CD28, mFc-His Tagged protein ELISA

0.2 µg of B7-1, hFc Tagged protein per well



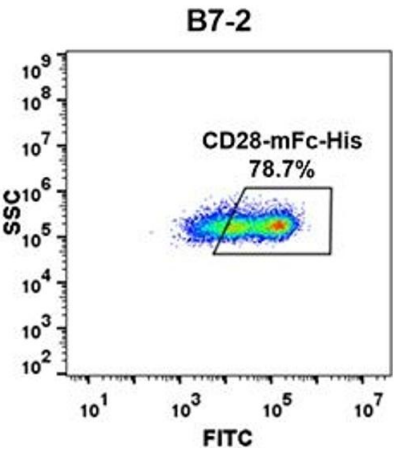
ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD28, mFc-His tagged protein (ABIN6961087) can bind Human B7-1, hFc tagged protein (ABIN6961158) in a linear range of 125-4000 ng/mL.

SDS-PAGE

Image 2. Human CD28 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

A



Flow Cytometry

Image 3. HEK293 cell line transfected with irrelevant protein (B) and human B7-2 (A) were surface stained with Human CD28, mFc-His tagged protein (ABIN6961087) 1 µg/mL followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6961087.