

Product datasheet for **TP723937**

CD28 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human CD28 Protein, mFc-His Tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	CD28[Asn19-Pro152]+mFc[Pro99-Lys330]+6×His
Tag:	C-Mouse Fc and 6×His
Predicted MW:	68-72 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Applications:	ELISA, Flow Cyt
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	940
UniProt ID:	P10747
Summary:	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.



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Product images:

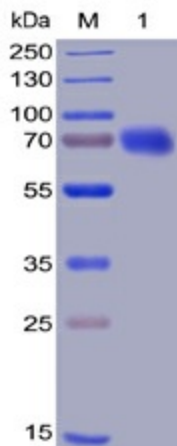


Figure 1. Human CD28 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD28, mFc-His Tagged protein ELISA

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

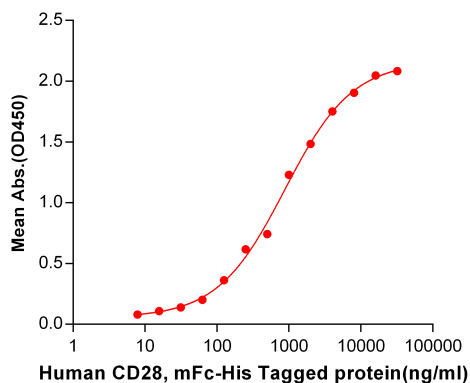


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD28, mFc-His tagged protein (TP723937) can bind Human B7-1, hFc tagged protein ([TP724008]) in a linear range of 125-4000 ng/ml.

Human CD28, mFc-His Tagged protein ELISA

0.2 µg of B7-2, hFc Tagged protein per well

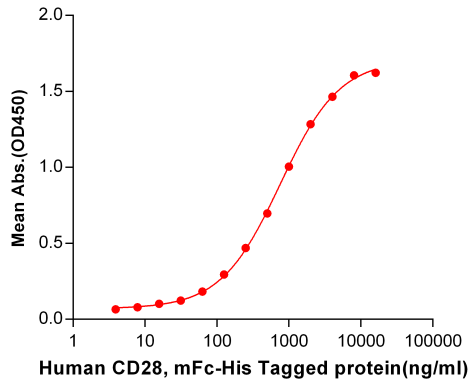


Figure 3. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD28, mFc-His tagged protein (TP723937) can bind Human B7-2, hFc tagged protein ([TP724009]) in a linear range of 62.5-4000 ng/ml.

A

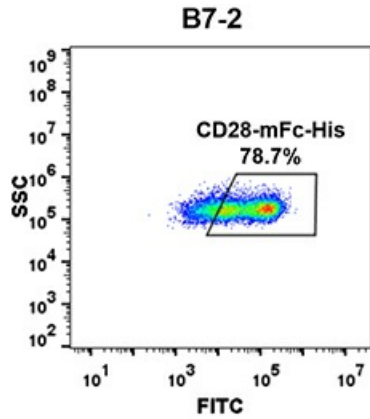


Figure 4. HEK293 cell line transfected with irrelevant protein (B) and human B7-2 (A) were surface stained with Human CD28, mFc-His tagged protein (TP723937) 1µg/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.