

Datasheet for ABIN6961085

CD276 Protein (CD276) (mFc-His Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD276
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with mFc-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human B7-H3 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	B7-H3 (Leu29-Pro245) 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:	CD276
Alternative Name:	B7-H3 (CD276 Products)
Background:	Synonyms: B7-H3, CD276, B7 homolog 3

Target Details

Description: The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: predicted molecular mass of 70-75 kDa after removal of the signal peptide.

Gene ID: 80381

UniProt: [Q5ZPR3](#)

Pathways: [Cancer Immune Checkpoints](#)

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

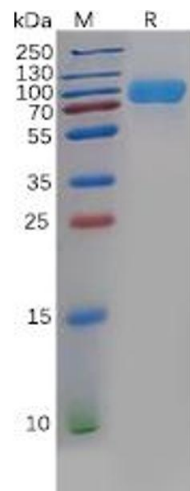
Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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.

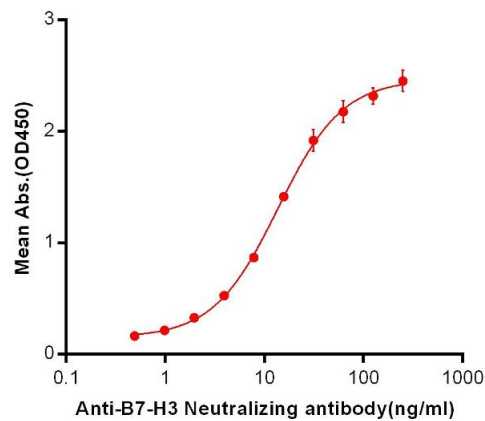
Expiry Date: 12 months



SDS-PAGE

Image 1. Human B7-H3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human B7-H3, mFc-His Tagged protein ELISA
0.2 µg of Human B7-H3, mFc-His Tagged protein per well



ELISA

Image 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human B7-H3, mFc-His tagged protein (ABIN6961085) can bind Anti-B7-H3 Neutralizing antibody in a linear range of 0.24-31.25 ng/mL.