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Datasheet for ABIN4949156

CD276 Protein (CD276) (AA 29-244) (Fc Tag)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	CD276
Protein Characteristics:	AA 29-244
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD276 protein is labelled with Fc Tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 29-244
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 50.1 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD276
Alternative Name:	B7-H3 (CD276 Products)

Target Details

Background: B7 homolog 3 (B7-H3), a member of the immunoglobulin superfamily, is also known CD276, which contains two Ig-like C2-type (immunoglobulin-like) domains and two Ig-like V-type (immunoglobulin-like) domains. B7-H3 may participate in the regulation of T-cell-mediated immune response. B7-H3 also plays a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. Furthermore, B7-H3 is involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. It could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy.

Molecular Weight: 50.1 kDa

NCBI Accession: [NP_598744](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

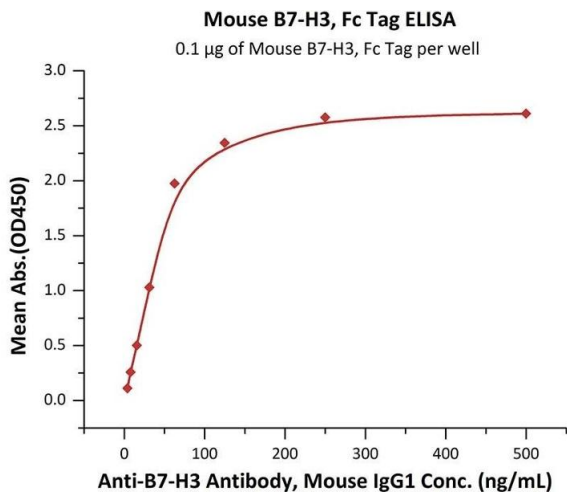
Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

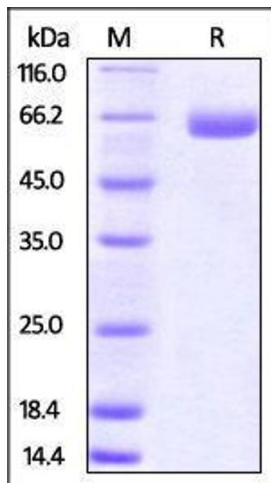
Publications

Product cited in: Stocki, Szary, Rasmussen, Demydchuk, Northall, Logan, Gauhar, Thei, Moos, Walsh, Rutkowski: "Blood-brain barrier transport using a high affinity, brain-selective VNAR antibody targeting transferrin receptor 1." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 35, Issue 2, pp. e21172, (2021) ([PubMed](#)).



ELISA

Image 1. Immobilized Mouse B7-H3, Fc Tag (ABIN4949156, ABIN4949157) at 1 µg/mL (100 µL/well) can bind Anti-B7-H3 Antibody, Mouse IgG1 with a linear range of 4-63 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse B7-H3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.