

Datasheet for ABIN7321098

CD276 Protein (CD276) (His tag)



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1 Image

Overview

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

Product Details

Purpose:	Recombinant Rat B7-H3/CD276 Protein (His Tag)
Sequence:	Met1-Phe244
Characteristics:	A DNA sequence encoding the rat CD276 (Q7TPB4)(Met1-Phe244) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	CD276
Alternative Name:	B7-H3/CD276 (CD276 Products)
Background:	Background: B7-H3 is a member of the B7 family of immune regulatory ligands that is thought to attenuate peripheral immune responses through co-inhibition. It plays an important role in adaptive immune responses, and was shown to either promote or inhibit T-cell responses in

Target Details

various experimental systems. B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is a novel protein structurally related to the B7 family of ligands by the presence of a single set of immunoglobulin-V-like and immunoglobulin-C-like (VC) domains. Previous studies have correlated its overexpression with poor prognosis and decreased tumor-infiltrating lymphocytes in various carcinomas including uterine endometrioid carcinomas, and mounting evidence supports an immuno-inhibitory role in ovarian cancer prognosis. Recently, B7-H3 expression has been reported in several human cancers indicating an additional function of B7-H3 as a regulator of antitumor immunity.

Immune Checkpoint
Immune Checkpoint Detection: Antibodies
Immune Checkpoint Detection: ELISA
Antibodies
Immune Checkpoint Detection: ICC Antibodies
Immune Checkpoint Detection: IP Antibodies
Immune Checkpoint Detection: FCM Antibodies
Immune Checkpoint Detection: WB Antibodies
Immune Checkpoint Targets
Co-inhibitory Immune Checkpoint Targets
Immunotherapy
Cancer Immunotherapy
Targeted Therapy

Synonym: CD276;B7h3

Molecular Weight: 25 kDa

UniProt: [Q7TPB4](#)

Pathways: [Cancer](#) [Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

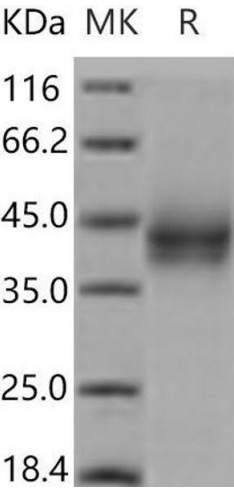
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.