Active Recombinant Human CD276 protein, His-Avi-tagged, Biotinylated

Cat. No. CD276-1286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD276 protein(Leu 29 - Pro 245), fused with His-Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 29 - Pro 245
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Monoclonal Anti-Human B7-H3 / B7-H3 (4Ig) Antibody, Human IgG1 at 2 μg/mL (100 μL/well) can bind Biotinylated Human B7-H3, Avitag,His Tag with a linear range of 5-39 ng/mL.Immobilized Biotinylated Human B7-H3, Avitag,His Tag at 1 μg/mL (100 μL/well) on Streptavidin precoated (0.5 μg/well) plate, can bind Monoclonal Anti-Human B7-H3 / B7-H3 (4Ig) Antibody, Human IgG1 with a linear range of 0.3-5 ng/mL.
Molecular Mass	This protein carries an Avi tag (Avitag™) at the C-terminus, followed by a polyhistidine tag.The protein has a calculated MW of 26.5 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per

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	μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD276 CD276 molecule [Homo sapiens]
Official Symbol	CD276
Synonyms	CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4Ig-B7-H3;
Gene ID	80381
mRNA Refseq	NM_001024736
Protein Refseq	NP_001019907
MIM	605715

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UniProt ID	Q5ZPR3

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