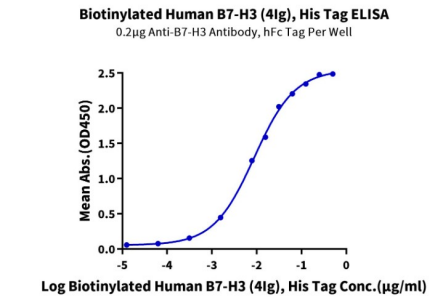
Bioactive HuPro®

CD276 (Human) Recombinant Protein (Biotin)

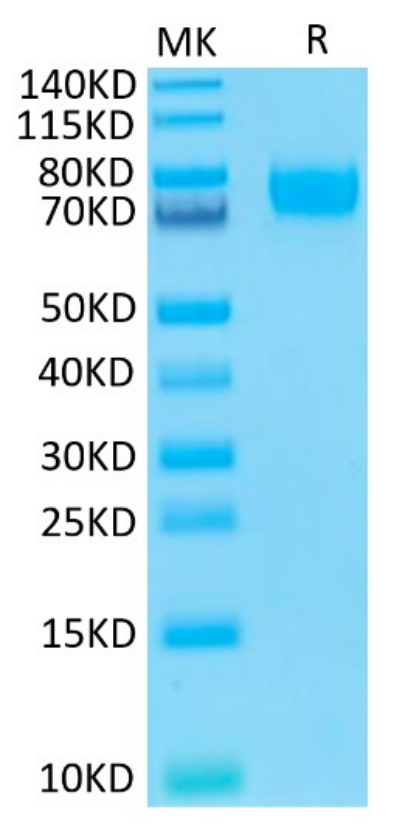
Catalog # P10358 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

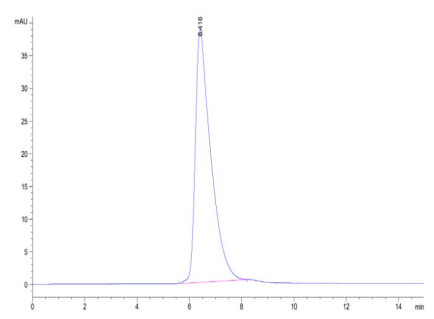
Immobilized Anti-B7-H3 Antibody, hFc Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Human B7-H3 (4Ig) , His Tag with the EC_{50} of 8.8 ng/mL determined by ELISA.



Tris-Bis PAGE

Biotinylated Human CD276 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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SEC-HPLC

The purity of Biotinylated Human CD276 is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human CD276 (Q5ZPR3-1, Gly27-Thr461) partial recombinant protein with His-Avi tag at the C-Ter minus expressed in HEK293 cells.
Sequence	Gly27-Thr461
Host	Human
Theoretical MW (kDa)	49.5
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC_{50} was 8.8 ng/mL, measured by ELISA at 2 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 24 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

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Applications

- Functional Study

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Anti-B7-H3 Antibody, hFc Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Human B7-H3 (4Ig) , His Tag with the EC_{50} of 8.8 ng/mL determined by ELISA.

Gene Info — CD276

Entrez GeneID	80381
Protein Accession#	Q5ZPR3-1
Gene Name	CD276
Gene Alias	B7-H3, B7H3
Gene Description	CD276 molecule
Omim ID	605715
Gene Ontology	Hyperlink
Gene Summary	Costimulatory B7 molecules (e.g., B7-1, or CD80; MIM 112203) signal through CD28 (MIM 186760) family molecules such as CD28, CTLA4 (MIM 123890), and ICOS (MIM 604558).[supplied by OMIM
Other Designations	B7 homolog 3|CD276 antigen

Pathway

- Cell adhesion molecules (CAMs)

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