

Biotinylated Human B7-H3/CD276 Protein

Cat. No. BH7-HM473B

Description

Source	Recombinant Biotinylated Human B7-H3/CD276 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Leu29-Pro245.
Accession	Q5ZPR3-2
Molecular Weight	The protein has a predicted MW of 26.49 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

Formulation and Storage

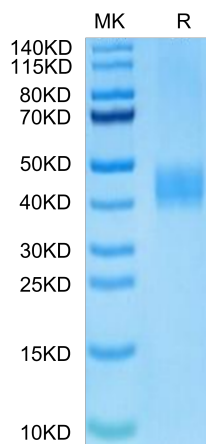
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2IgB7H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.

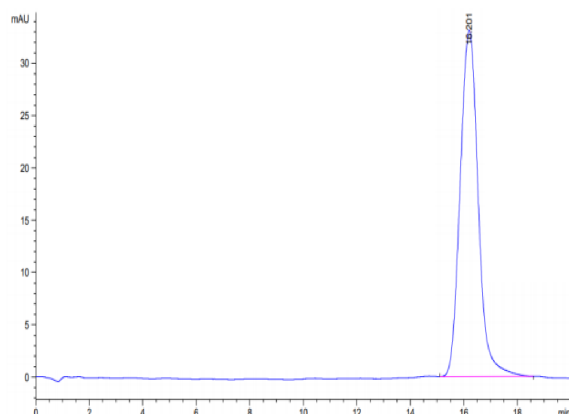
Assay Data

Bis-Tris PAGE



Biotinylated Human B7-H3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



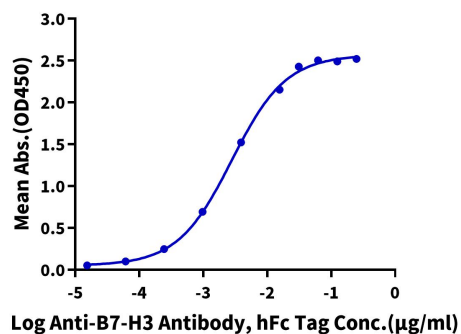
The purity of Biotinylated Human B7-H3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human B7-H3, His Tag ELISA

0.05µg Biotinylated Human B7-H3, His Tag Per Well



Immobilized Biotinylated Human B7-H3, His Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 2.8 ng/ml determined by ELISA.