

# Biotinylated Human B7-H3/CD276 Protein

Cat. No. BH7-HM573B

## Description

<b>Source</b>	Recombinant Biotinylated Human B7-H3/CD276 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-terminus. It contains Leu29-Pro245.
<b>Accession</b>	Q5ZPR3-2
<b>Molecular Weight</b>	The protein has a predicted MW of 51.06 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

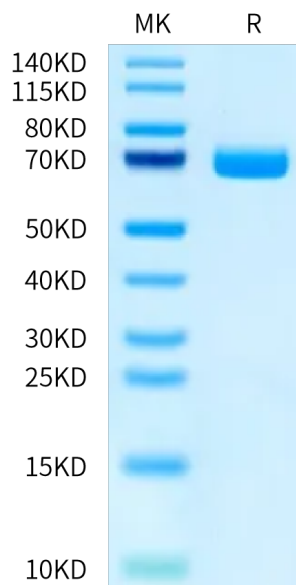
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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



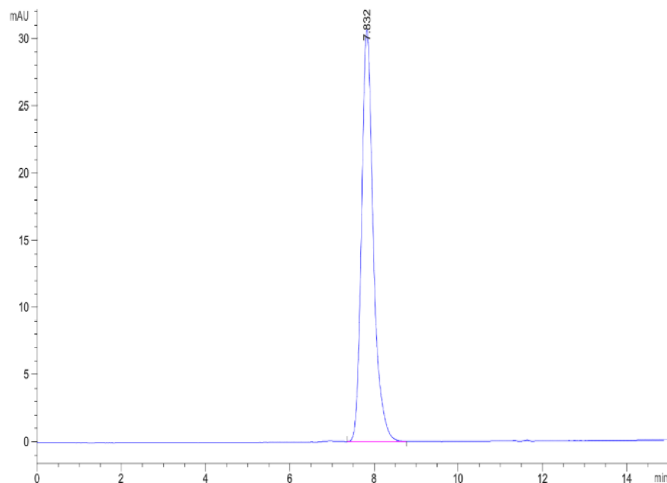
Biotinylated Human B7-H3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

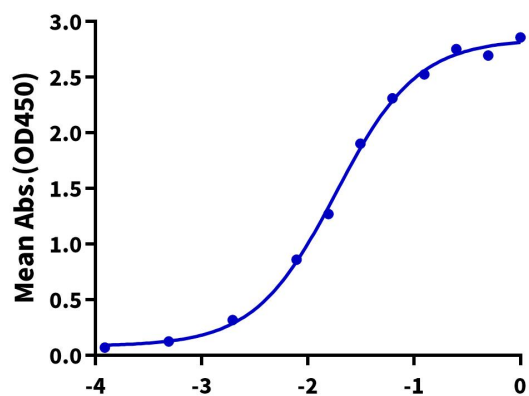


The purity of Biotinylated Human B7-H3 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human B7-H3, hFc Tag ELISA

0.1  $\mu\text{g}$  Anti-B7-H3 Antibody, hFc Tag Per Well



Immobilized Anti-B7-H3 Antibody, hFc Tag at  $1 \mu\text{g}/\text{ml}$  ( $100 \mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Biotinylated Human B7-H3, hFc Tag with the  $\text{EC}_{50}$  of  $18.4 \text{ ng}/\text{ml}$  determined by ELISA.