

FITC-Labeled Human B7-H3 (4Ig) /B7-H3b Protein

Cat. No. BH7-HM23BF

Description

Source	Recombinant FITC-Labeled Human B7-H3 (4Ig) /B7-H3b Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Gly27-Thr461.
Accession	Q5ZPR3-1
Molecular Weight	The protein has a predicted MW of 73.4 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
Wavelength	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

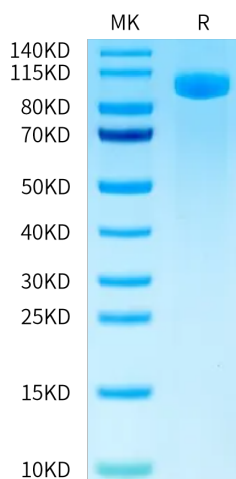
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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

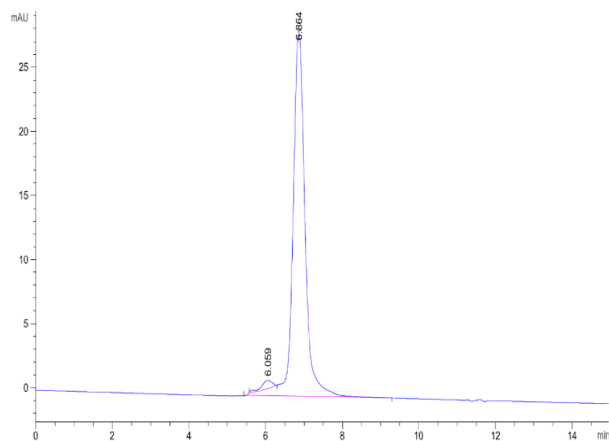
Tris-Bis PAGE



FITC-Labeled Human B7-H3 (4Ig) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



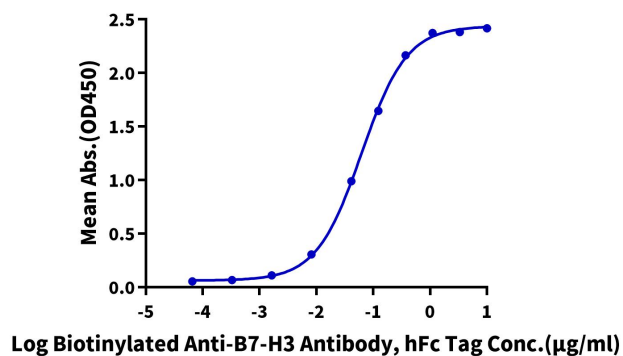
The purity of FITC-Labeled Human B7-H3 (4Ig) is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

FITC-Labeled Human B7-H3 (4Ig), hFc Tag ELISA

0.1µg FITC-Labeled Human B7-H3 (4Ig), hFc Tag Per Well



Immobilized FITC-Labeled Human B7-H3 (4Ig), hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC50 of 62.5ng/ml determined by ELISA.