

Biotinylated Human B7-H7/HLA2 Protein

Cat. No. BH7-HM477B

Description

Source	Recombinant Biotinylated Human B7-H7/HLA2 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Ile23-Asn344.
Accession	Q9UM44-1
Molecular Weight	The protein has a predicted MW of 39.88 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
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	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	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-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

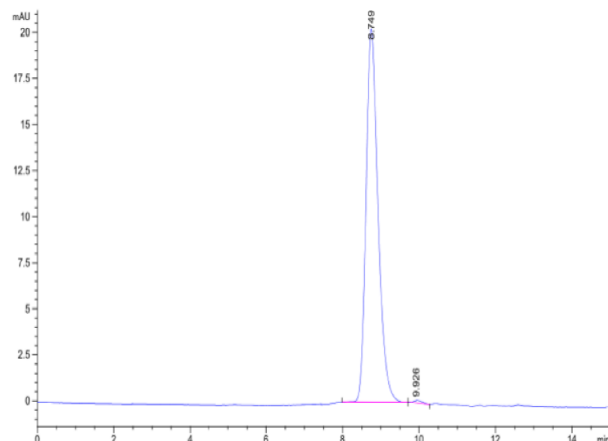
Assay Data

Tris-Bis PAGE



Biotinylated Human B7-H7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



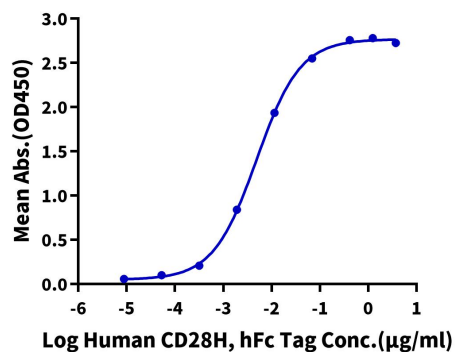
The purity of Biotinylated Human B7-H7 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human B7-H7, His Tag ELISA

0.1µg Biotinylated Human B7-H7, His Tag Per Well



Immobilized Biotinylated Human B7-H7, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD28H, hFc Tag with the EC50 of 4.9ng/ml determined by ELISA.