

Biotinylated Human B7-H2/ICOSLG Protein

Cat. No. BH7-HM472B

Description

Source	Recombinant Biotinylated Human B7-H2/ICOSLG Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp19-Ser258.
Accession	O75144
Molecular Weight	The protein has a predicted MW of 29.5 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

Formulation and Storage

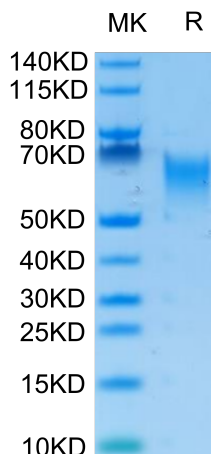
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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-H2, also known as B7-related protein (B7RP1), ICOS Ligand, and CD275, is an approximately 60 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. B7-H2 is a ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells.

Assay Data

Tris-Bis PAGE

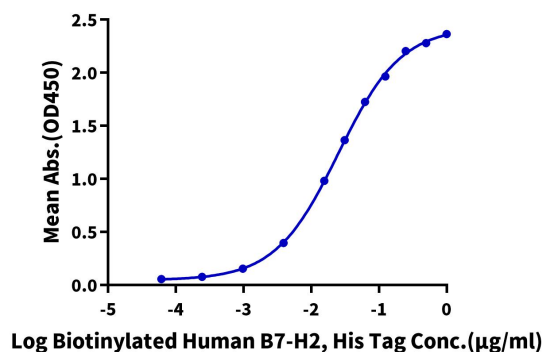


Biotinylated Human B7-H2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Human B7-H2, His Tag ELISA

0.2µg Human ICOS (C136S, C137S), His Tag Per Well



Immobilized Human ICOS (C136S,C137S), His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human B7-H2, His Tag with the EC50 of 25.1ng/ml determined by ELISA.