Biotinylated Human B7-H6/NCR3LG1 Protein

Cat. No.　　BH7-HM476B

KACTUS

Description

| Source	Recombinant Biotinylated Human B7-H6/NCR3LG1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Asp25-Ser262.
Accession	Q68D85
Molecular Weight	The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 48-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU 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 0.22µm 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 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

B7-H6 is a glycosylated member of the B7 family of immune costimulatory proteins. which is a ligand for the NK cell activating receptor NKp30, was targeted to create a CAR that targets multiple tumor types. B7H6 is expressed on various primary human tumors, including leukemia, lymphoma and gastrointestinal stromal tumors, but it is not constitutively expressed on normal tissues.
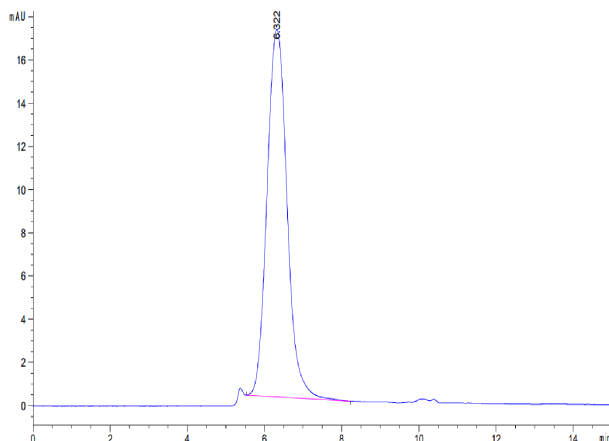
Assay Data

Bis-Tris PAGE
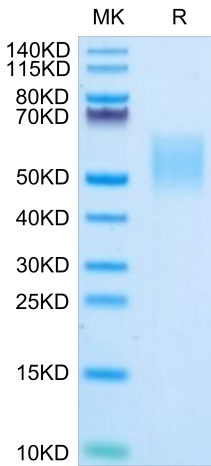
Biotinylated Human B7-H6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

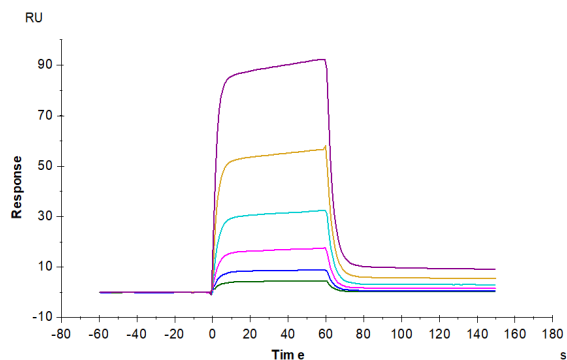The purity of Biotinylated Human B7-H6 is greater than 95% as determined by SEC-HPLC.

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Assay Data

SPR Data

Human NKp30, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human B7-H6, His-Avi Tag with an affinity constant of 0.227 μM as determined in SPR assay (Biacore T200).