

Cynomolgus B7-H6/NCR3LG1 Protein

Cat. No. BH7-CM176

Description

Source	Recombinant Cynomolgus B7-H6/NCR3LG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Asp259.
Accession	XP_005578557.1
Molecular Weight	The protein has a predicted MW of 27.6 kDa. Due to glycosylation, the protein migrates to 40-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μ g by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

Formulation and Storage

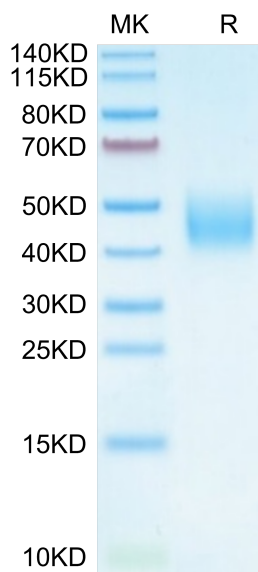
Formulation	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/ml is recommended. Dissolve the lyophilized protein in distilled 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. B7-H6 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

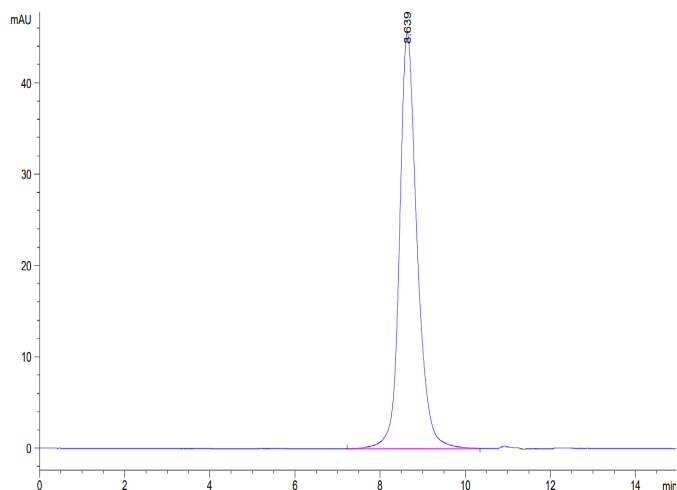
Bis-Tris PAGE



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

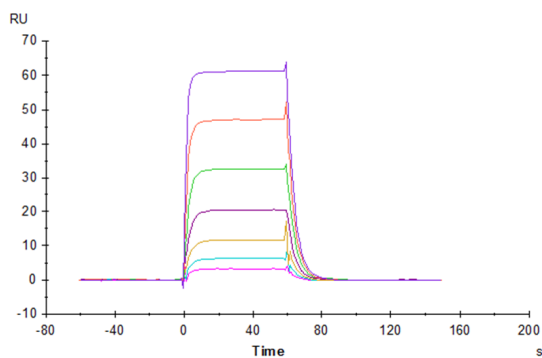
SEC-HPLC

Assay Data



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

SPR Data



Human NKp30, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus B7-H6, His Tag with an affinity constant of 0.662 μ M as determined in SPR assay (Biacore T200).