

Human B7-H5/Gi24/VISTA Protein, Ultra Low Endotoxin



Cat. No. BH7-HM175-UL

Description

Source	Recombinant Human B7-H5/Gi24/VISTA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe33-Ala194.
Accession	Q9H7M9
Molecular Weight	The protein has a predicted MW of 19 kDa. Due to glycosylation, the protein migrates to 32-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

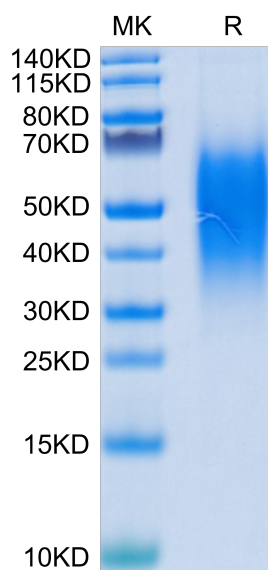
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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-H5, also known as VISTA, B7H5, Dies1, SISP1 and C10orf54, is a 55-65 kDa member of the Ig superfamily. It is a transmembrane molecule expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces.

Assay Data

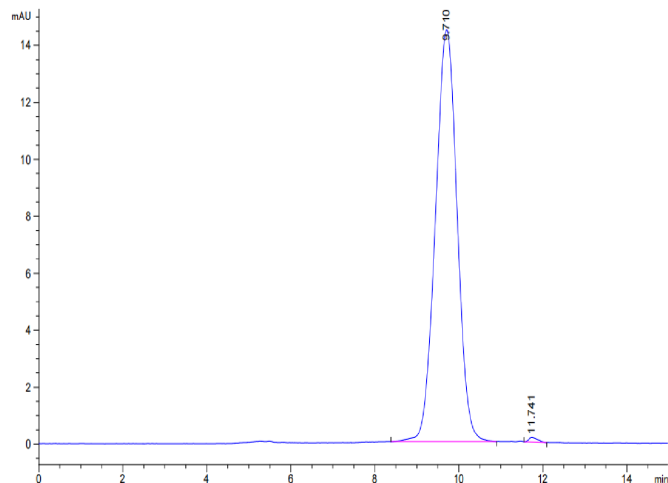
Bis-Tris PAGE



Human B7-H5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

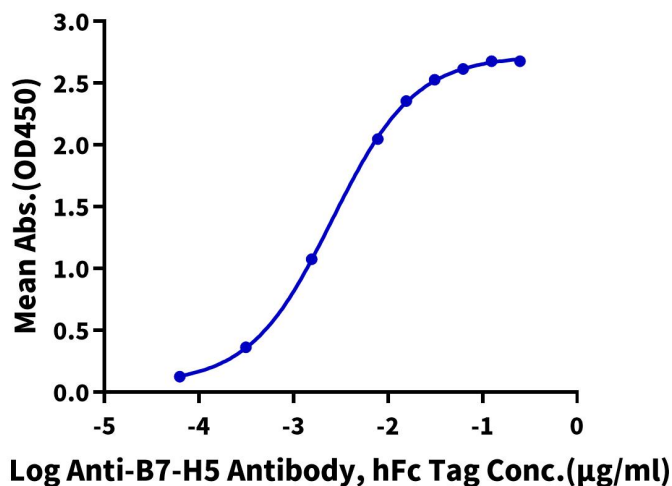


The purity of Human B7-H5 is greater than 95% as determined by SEC-HPLC.

ELISA Data

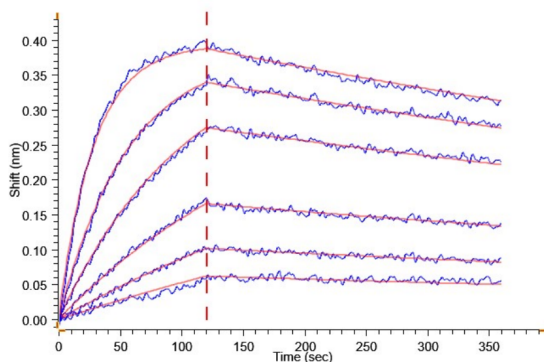
Human B7-H5, His Tag ELISA

0.05µg Human B7-H5, His Tag Per Well



Immobilized Human B7-H5, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-B7-H5 Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.

BLI Data



Loaded Anti-B7-H5 Ab., hFc Tag on ProA-Biosensor can bind Human B7-H5, His Tag with an affinity constant of 5.22 nM as determined in BLI assay .