

Human EphB3 Protein, Ultra Low Endotoxin

Cat. No. EPH-HM1B3-UL



Description

Source	Recombinant Human EphB3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly34-Leu559.
Accession	P54753
Molecular Weight	The protein has a predicted MW of 58.6 kDa. Due to glycosylation, the protein migrates to 65-68 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

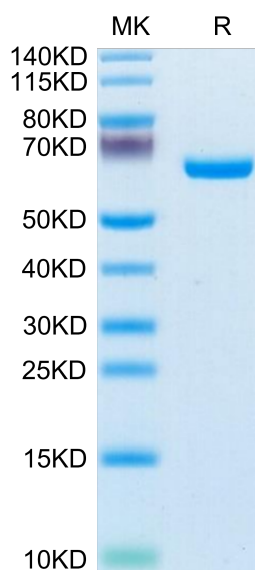
Formulation	Lyophilized from 0.22µm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

Although EphB3 expression is down-regulated in colorectal cancer (CRC) cells compared with normal intestinal epithelial cells. EphB3 is down-regulated in CRC compared to normal mucosa. Hypermethylation of CpG island is contributed to downregulation of EphB3 in CRC. EphB3 expression in tumor cells may be a useful prognostic indicator for patients with CRC.

Assay Data

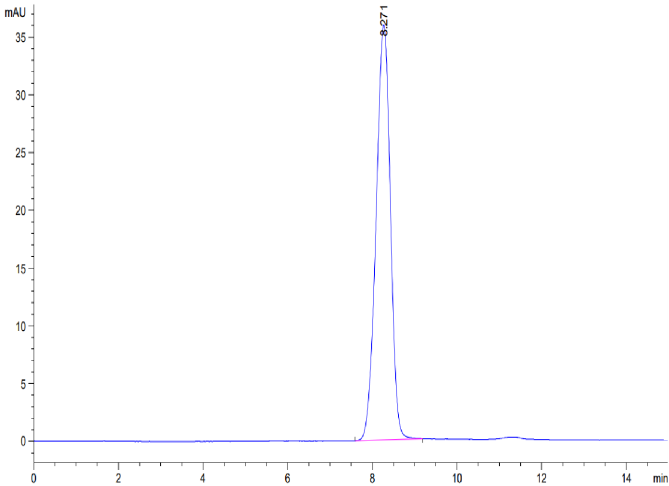
Bis-Tris PAGE



Human EphB3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

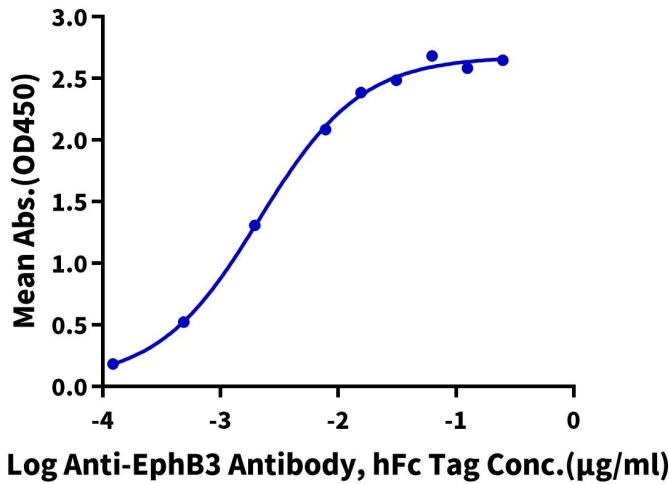
Assay Data



The purity of Human EphB3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human EphB3, His Tag ELISA
0.05µg Human EphB3, His Tag Per Well



Immobilized Human EphB3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-EphB3 Antibody, hFc Tag with the EC50 of 2.1ng/ml determined by ELISA.