

Human EphB3 Protein

Cat. No. EPH-HM1B3



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 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

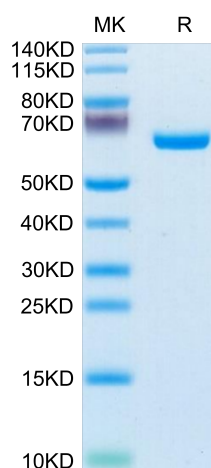
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

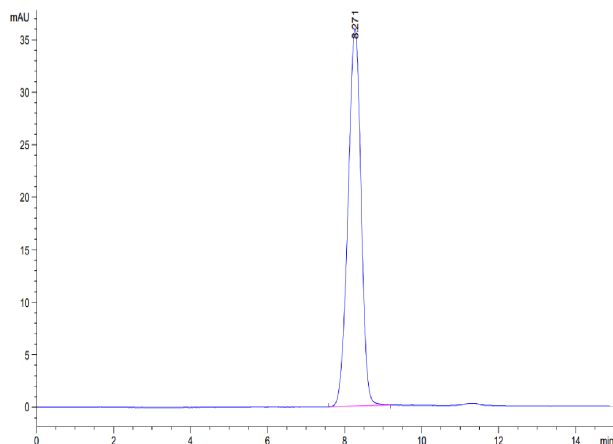
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



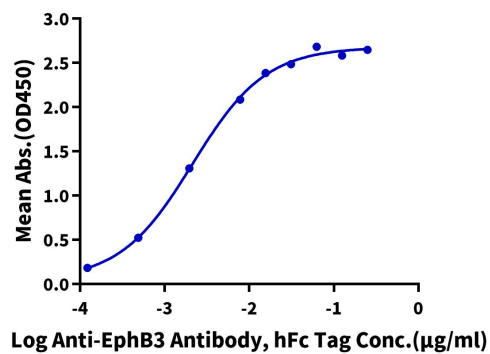
The purity of Human EphB3 is greater than 95% as determined by SEC-HPLC.

Assay Data

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.