Human EPHA5 Protein

Cat. No. EPH-HM2A5

Description

Source	Recombinant Human EPHA5 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
	It contains Pro25-Pro573.
Accession	P54756-1
Molecular Weight	The protein has a predicted MW of 86.74 kDa. Due to glycosylation, the protein migrates to 100-130 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 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 0.22 μm 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

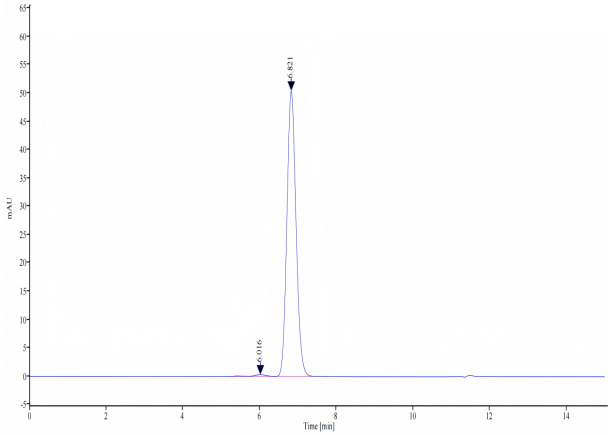
Ephrin type-A receptor 5 (EphA5) expression was detected in all non-tumor gastric epithelia but was differentially expressed among gastric cancer samples. EphA5 is differentially expressed in gastric cancer. EphA5 may therefore be a potential therapeutic target and may have clinical utility as a marker for lymph node metastasis in gastric cancer.

Assay Data

Bis-Tris PAGE

Human EPHA5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human EPHA5 is greater than 95% as determined by SEC-HPLC.

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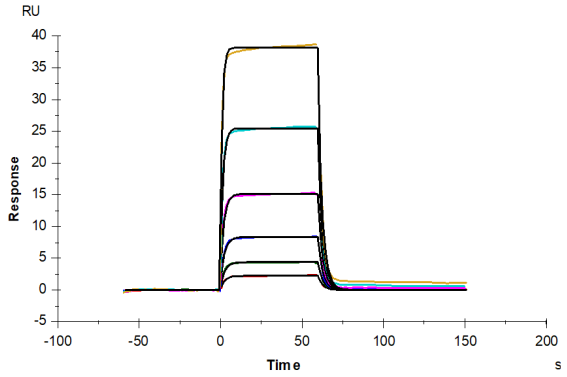
Assay Data

SPR Data



Human EPHA5, hFc Tag captured on CM5 Chip via ProteinA can bind Human/Cynomolgus/Rhesus macaque Ephrin-A3, His Tag (Cat. EFN-CM1A3) with an affinity constant of 0.14 uM as determined in SPR assay (Biacore T200).