

Human Ephrin-A4/EFNA4 Protein, Ultra Low Endotoxin

Cat. No. EPA-HM204-UL

Description

Source	Recombinant Human Ephrin-A4/EFNA4 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Leu26-Gly171.
Accession	P52798-1
Molecular Weight	The protein has a predicted MW of 43.1 kDa. Due to glycosylation, the protein migrates to 50-60 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

Ephrin A4 is one of the ephrin ligand molecules belonging to the tyrosine kinases receptor family. It was originally identified in a T-lymphoma cell line and seen to be expressed in human adult tissue as well as several tumor types. The cytoplasmic pattern of ephrin A4 could identify a subgroup of primary osteosarcoma patients with a high liability for progression, poor prognosis, and inferior response to chemotherapy.

Assay Data

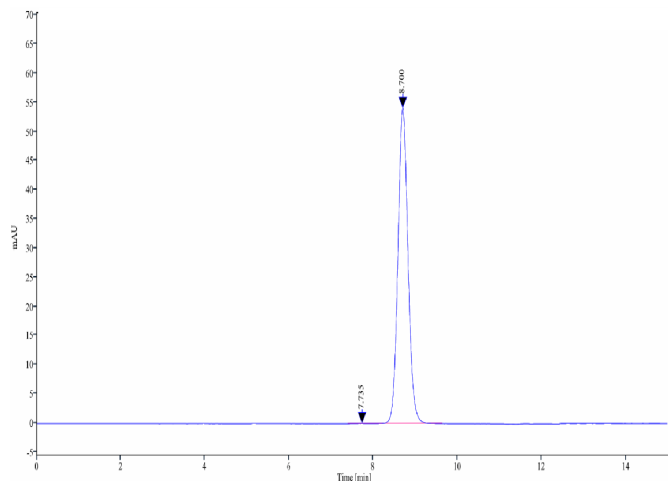
Bis-Tris PAGE



Human Ephrin-A4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

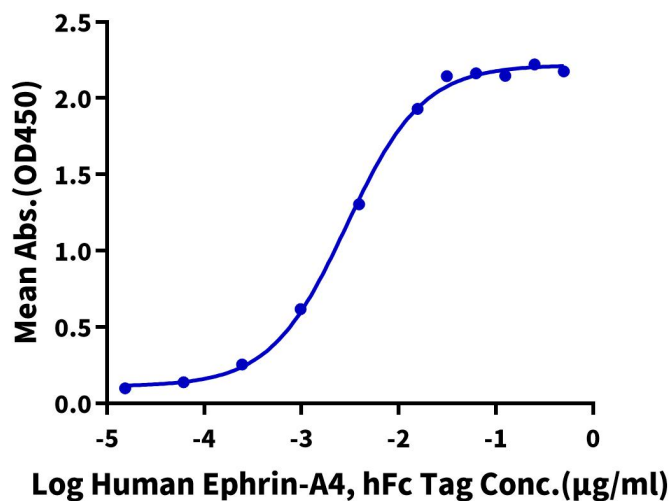


The purity of Human Ephrin-A4 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Ephrin-A4, hFc Tag ELISA

0.2µg Human EphA7, His Tag Per Well



Immobilized Human EphA7, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human Ephrin-A4, hFc Tag with the EC50 of 2.9ng/ml determined by ELISA (QC Test).