

Human Semaphorin 4D/SEMA4D/CD100 Protein

Cat. No. SEM-HM14D



Description

Source	Recombinant Human Semaphorin 4D/SEMA4D/CD100 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Met22-Arg734.
Accession	Q92854-1
Molecular Weight	The protein has a predicted MW of 80.77 kDa. Due to glycosylation, the protein migrates to 110-140 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	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
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

Semaphorin 4D (Sema4D) is a multifunctional protein widely expressed in an organism that plays an important role in the control of many physiological and pathological processes, including immunoregulation, neurogenesis, angiogenesis, and tumor progression.

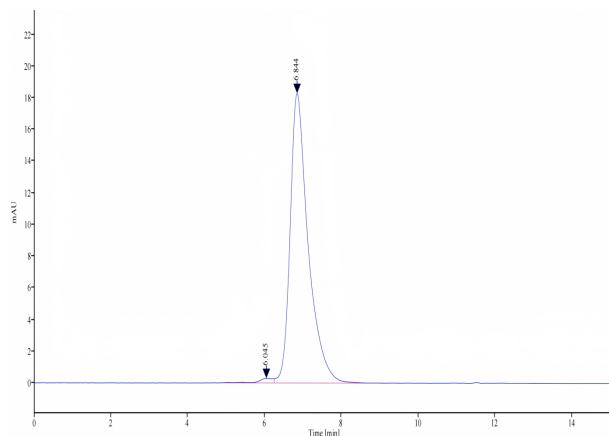
Assay Data

Bis-Tris PAGE



Human Semaphorin 4D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

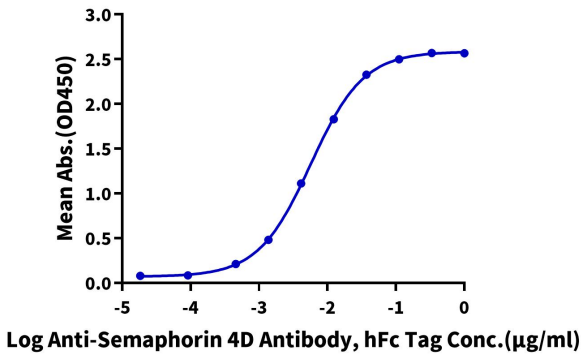


The purity of Human Semaphorin 4D is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human Semaphorin 4D, His Tag ELISA
0.1µg Human Semaphorin 4D, His Tag Per Well



Immobilized Human Semaphorin 4D, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Semaphorin 4D Antibody, hFc Tag with the EC50 of 5.7ng/ml determined by ELISA.