Human Semaphorin 4D/SEMA4D/CD100 Protein

Cat. No.　　SEM-HM44D

KACTUS

Description

Source	Recombinant Human Semaphorin 4D/SEMA4D/CD100 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Met22-Arg734.
Accession	Q92854-1
Molecular Weight	The protein has a predicted MW of 82.1 kDa. Due to glycosylation, the protein migrates to 115-140 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

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Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

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.
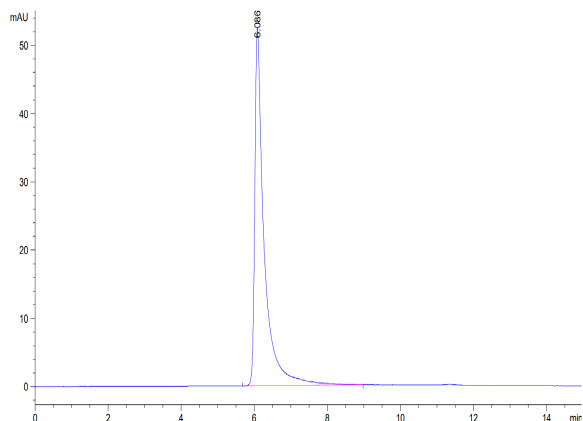
Assay Data

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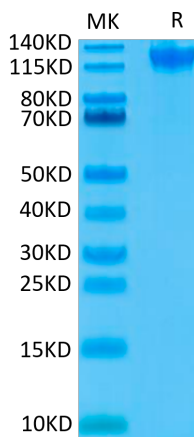
Human Semaphorin 4D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.
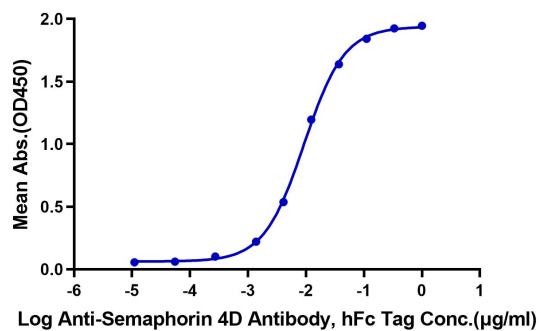
SEC-HPLC

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

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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 9.3ng/ml determined by ELISA.

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