

SEMA4D 抗原（重组蛋白）

中文名称： SEMA4D 抗原（重组蛋白）

英文名称： SEMA4D Antigen (Recombinant Protein)

别名： semaphorin 4D; CD100; SEMAJ; coll-4; C9orf164; M-sema-G

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 22-323 amino acids of human SEMA4D

技术规格

Full name:	semaphorin 4D
Synonyms:	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
Swissprot:	Q92854
Gene Accession:	BC054500
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. Promotes reorganization of the actin cytoskeleton and plays a role in axonal growth cone guidance in the developing central nervous system. Regulates dendrite and axon branching and morphogenesis. Promotes the migration of cerebellar granule cells and of endothelial cells. Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro). Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Interaction with PLXNB1 mediates activation of RHOA.

