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Datasheet for ABIN7319006
SEMA4D/CD100 Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	SEMA4D/CD100 (SEMA4D)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SEMA4D/CD100 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Semaphorin 4D/SEMA4D Protein (Fc Tag)(Active)
Sequence:	Met22-Arg734
Characteristics:	Recombinant Human Semaphorin 4D is produced by our Mammalian expression system and the target gene encoding Met22-Arg734 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse PLXDC2 -His(Cat: PKSH032037) at 2µg/ml(100 µl/well) can bind Human SEMA4D-Fc.

Target Details

Target:	SEMA4D/CD100 (SEMA4D)
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Target Details

Alternative Name:	Semaphorin 4D/SEMA4D (SEMA4D Products)
Background:	<p>Background: Semaphorin-4D is also known as A8,BB18, GR3, CD100. Semaphorin-4D belongs to the semaphorin family containing 1 Ig-like C2-type domain, 1 PSI domain and 1 Sema domain. It is the cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. It promotes the migration of cerebellar granule cells and of endothelial cells, regulates dendrite and axon branching and morphogenesis. Semaphorin-4D Plays a role in the immune system, Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade.</p> <p>Synonym: Semaphorin-4D, A8,BB18, GR3, CD100,C9orf164,CD100,coll-4,M-sema-G,SEMAJ</p>
Molecular Weight:	106.4 kDa
UniProt:	Q92854
Pathways:	Regulation of Cell Size

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.