

Datasheet for ABIN7320205  
**SEMA4D/CD100 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	SEMA4D/CD100 (SEMA4D)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SEMA4D/CD100 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Semaphorin-4D/SEMA4D Protein (His Tag)(Active)
Sequence:	Met 1-Arg 733
Characteristics:	A DNA sequence encoding the mouse SEMA4D (NP_038688.2) extracellular domain (Met 1-Arg 733) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind human SEMA4A in a functional ELISA.

## Target Details

Target:	SEMA4D/CD100 (SEMA4D)
Alternative Name:	Semaphorin-4D/SEMA4D ( <a href="#">SEMA4D Products</a> )

## Target Details

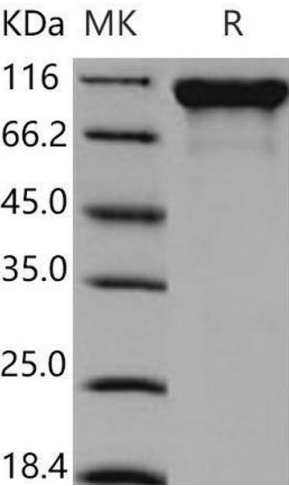
Background:	<p>Background: Semaphorin 4D (SEMA4D or CD1) is a member of the semaphorin family of proteins and an important mediator of the movement and differentiation of multiple cell types, including those of the immune, vascular, and nervous systems. VEGF and SEMA4D had a positive correlation with the malignant degree of ovarian cancer, and SEMA4D can serve as an independent prognostic factor. SEMA4D was the first semaphorin described to have immune functions and serves important roles in T cell priming, antibody production, and cell-to-cell adhesion. Proteolytic cleavage of SEMA4D from the cell surface gives rise to a soluble fragment of SEMA4D (sSEMA4D). Similar to the transmembranal form, sSEMA4D is thought to have immunoregulatory properties.</p> <p>Synonym: SEMA4D,Semaphorin-4D,M-Sema G,Semaphorin-C-like 2,Semaphorin-J,Sema J,CD100,Semacl2,Semaj,coll-4,Semacl2,Semaj</p>
Molecular Weight:	80.2 kDa
NCBI Accession:	<a href="#">NP_038688</a>
Pathways:	<a href="#">Regulation of Cell Size</a>

## 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 sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>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 &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.