

# Product Information

## **MemDX™ Membrane Protein Human SEMA4D (Semaphorin 4D) Expressed in CHO for Antibody Discovery, Partial (22-734aa)**

Cat. No.: **MPX0149K**

This product is for research use only and is not intended for diagnostic use.

This product is a 105.8 kDa Human SEMA4D membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

SEMA4D

#### Protein Length

Partial (22-734aa)

#### Protein Class

Receptor

#### Molecular Weight

105.8 kDa

#### TMD

1

#### Sequence

MAFAPIPRITWEHREVLVQFHEPDIYNY  
SALLLSEDKDTLYIGAREAVFAVNALNISEKQHEVYWKVSEDKKAKCAEK  
GKSKQTECLNYIRVLQPLSATSPLYVCGTNAFQACDHLNLTsfkFLGKNE  
DGKGRCPFDPAHSYTSVMVDGELYSGTSYNFLGSEPIISRNSHSPLRTE  
YAIPWLNESFVFADVIRKSPDSPDGEDDRVYFFFTEVSVEYEFVFRVLI  
PRIARVCKGDQGGRLTLQKKWTSFLKARLICSRPDSGLVFNVLRDVFLR  
SPGLKVPVFYALFTPQLNNVGLSAVCAYNLSTAEVFSHGKYMSTTVEQ  
SHTKWVRYNGPVPKPRPGACIDSEARAANYTSSLNLPDKTLQFVKDHPLM  
DDSVTPIDNRPRLIKDVDNYTQIVVDRTQALDGTVDVFMVSTDRGALHK  
AISLEHAVHIIETQLFQDFEPVQTLILLSSKKGNRFFVYAGSNSGVVQAPL  
AFCGKHGTCEDCVLARDPYCAWSPPTATCVALHQTESPSRGLIQEMSGDA  
SVCPDKSKGSYRQHFFKHGGTAELKCSQKSNLARVFWKFQNGVLKAESPK  
YGLMGRKNLLIFNLSEGDSGVYQCLSEERVKNKTVFQVVAKHVLEVKVVP  
KPVVAPTLVVQTEGSRIATKVLVASTQGSSPPTPAVQATSSGAILPPK  
PAPTGTSCPEKIVINTVPQLHSEKTMYLKSSDNR

## Product Description

### Expression Systems

CHO

### Tag

hIgG1 Fc tag at the C-terminus

### Protein Format

Soluble

### Form

LYOPH

### Reconstitution

Reconstitute at 250 µg/mL in PBS.

### Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

### Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

SEMA4D

### Full Name

Semaphorin 4D

### Alternative Names

SEMA4D; A8; GR3; BB18; CD100; COLL4; SEMAJ; coll-4; C9orf164; M-sema-G; semaphorin-4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D; Semaphorin 4D

### Gene ID

[10507](#)

### UniProt ID

[Q92854](#)