

# Product Information

## Recombinant Anti-Human sema4d Antibody Fab Fragment

Cat. No.: **MOM-18611-F(P)**

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

### Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human SEMA4D, expressed in E. coli

### Antigen Description

May play a functional role in the immune system, as well as in the nervous system. Induces B-cells to aggregate and improves their viability in vitro.

### Specific Activity

Tested positive against native antigen.

### Target

SEMA4D

### Immunogen

Human PHA activated lymphocytes

### Source

Mouse

### Species Reactivity

Human

### Type

Fab

### Expression Host

E. coli

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

## ANTIGEN GENE INFORMATION

### Gene Name

[SEMA4D sema domain, immunoglobulin domain \(Ig\), transmembrane domain \(TM\) and short cytoplasmic domain.](#)

[\(semaphorin\) 4D \[ Homo sapiens \]](#)

## Official Symbol

SEMA4D

## Synonyms

SEMA4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D; C9orf164, chromosome 9 open reading frame 164 , SEMAJ; semaphorin-4D; CD100; coll 4; FLJ39737; M sema G; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D; SEMAJ; coll-4; C9orf164; M-sema-G; FLJ33485; FLJ34282; FLJ46484; MGC169138; MGC169141;

## Gene ID

[10507](#)

## mRNA Refseq

[NM\\_001142287](#)

## Protein Refseq

[NP\\_001135759](#)

## MIM

[601866](#)

## UniProt ID

Q92854

## Chromosome Location

9q22-q31

## Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Sema4D mediated inhibition of cell attachment and migration, organism-specific biosystem;

## Function

protein binding; receptor activity; receptor binding; semaphorin receptor binding; transmembrane signaling receptor activity;