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Product Information

Recombinant Anti-Human sema4d Antibody scFv Fragment

Cat. No.: **MOM-18611-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody scFv Fragment specifically binds 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

scFv

Expression Host

E. coli

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

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;

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