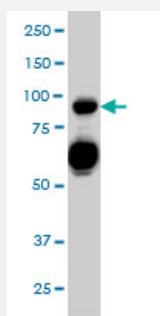


SEMA4D monoclonal antibody (M01), clone 3B4

Catalog # H00010507-M01

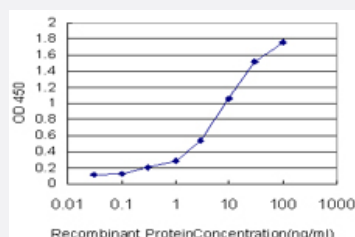
Size 100 ug

Applications



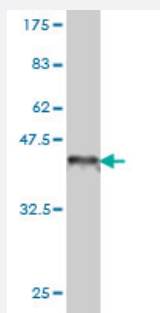
Western Blot (Cell lysate)

SEMA4D monoclonal antibody (M01), clone 3B4 Western Blot analysis of SEMA4D expression in HL-60 (Cat # L014V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA4D is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SEMA4D.

Immunogen	SEMA4D (AAH54500, 115 a.a. ~ 224 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LQPLSATSLYVCGTNAFQPACDHLNLTSEKFLGKNEDGKGRCPFDPAAHSYTSVMVDGELYSGTS YNFLGSEPIISRNSSHSPLRTEYAIPWLNEPSFVFADVIRKSPDSP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SEMA4D monoclonal antibody (M01), clone 3B4 Western Blot analysis of SEMA4D expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA4D is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SEMA4D

Entrez GeneID [10507](#)

GeneBank Accession#	BC054500
Protein Accession#	AAH54500
Gene Name	SEMA4D
Gene Alias	C9orf164, CD100, FLJ33485, FLJ34282, FLJ39737, FLJ46484, M-sema-G, MGC169138, MGC169141, SEMAJ, coll-4
Gene Description	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
Omim ID	601866
Gene Ontology	Hyperlink
Gene Summary	sema domain
Other Designations	OTTHUMP00000021622 OTTHUMP00000070035 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D semaphorin 4D

Publication Reference

- [Phage Display Identification of CD100 in Human Atherosclerotic Plaque Macrophages and Foam Cells.](#)

Luque MC, Gutierrez PS, Debbas V, Martins WK, Puech-Leao P, Porto G, Coelho V, Boumsell L, Kalil J, Stolf B.

PLoS One 2013 Sep; 8(9):e75772.

Application: IF, Human, Monocytes, Macrophages, Foam cells

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)