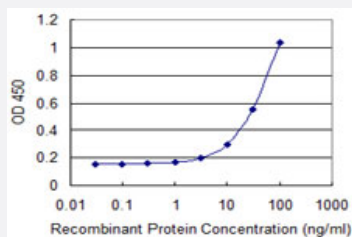


SEMA7A monoclonal antibody (M06), clone 1G1

Catalog # H00008482-M06

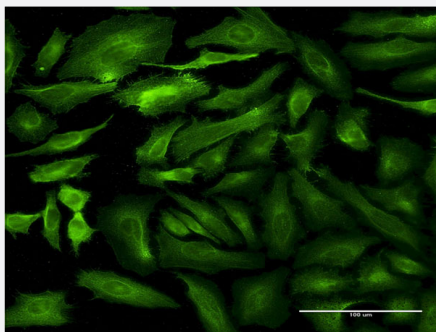
Size 100 ug

Applications



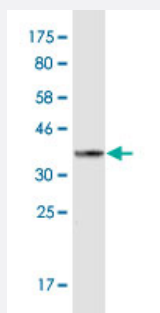
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA7A is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SEMA7A on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SEMA7A.

Immunogen	SEMA7A (NP_003603, 536 a.a. ~ 633 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EPHKECPNPKPDKAPLQKVSLAPNSRYYLSCPMEISRHATYSWRHKENVEQSCEPGHQSPNCILFIENLTAQQYGHYFCEAQEGSYFREAHWQLLPED
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA7A is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SEMA7A on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — SEMA7A

Entrez GeneID [8482](#)

GeneBank Accession# [NM_003612](#)

Protein Accession#	NP_003603
Gene Name	SEMA7A
Gene Alias	CD108, CDw108, H-SEMA-K1, H-Sema-L, JMH, MGC126692, MGC126696, SEMAK1, SEMA L
Gene Description	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
Omim ID	607961
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene binds to cell surfaces through a glycosylphosphatidylinositol (GPI) linkage. The encoded glycoprotein is found on activated lymphocytes and erythrocytes. This protein may be involved in immunomodulatory and neuronal processes. Defects in this gene can result in loss of bone mineral density (BMD). Three transcript variants encoding different isoforms have been found for this gene
Other Designations	John Milton Hagen blood group H-Sema K1 sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (JMH blood group) sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, 7A semaphorin 7A semaphorin K1 semaphorin L

Pathway

- [Axon guidance](#)

Disease

- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Osteoporosis](#)