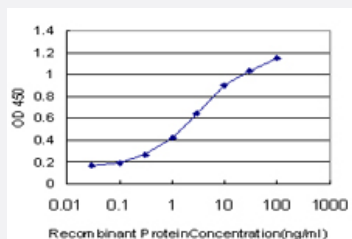


SEMA7A monoclonal antibody (M01), clone 3D3

Catalog # H00008482-M01

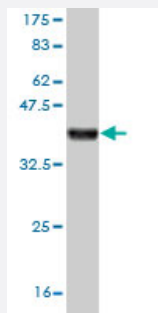
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA7A is approximately 0.03ng/ml as a capture antibody.



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

EPHKECPNPKPKDKAPLQKVSLAPNSRYLSCPMESRHATYSWRHKENVEQSCEPGHQSPNCILFIENLTAQQYGYHYFCEAQEGSYFREAHWQLLPED

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 approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

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](#)