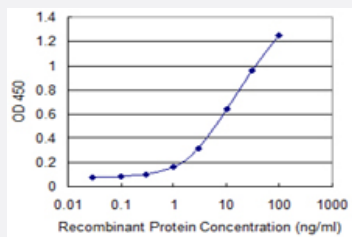


SEMA3A monoclonal antibody (M01), clone 5G9

Catalog # H00010371-M01

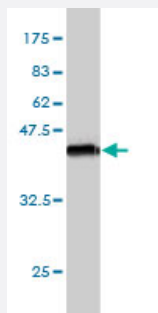
Size 50 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEMA3A is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SEMA3A.

Immunogen

SEMA3A (NP_006071, 672 a.a. ~ 770 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

HLEELLHKDDDDGDGSKTKEMSNSMTPSQKVWYRDFMQLINHPNLNTMDEFCEQVWKRDRKQR
RQRPGHTPGNSNKWKHLQENKKGRNRRTHEFERAPRS

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (92); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 SEMA3A is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SEMA3A

Entrez GeneID	10371
GeneBank Accession#	NM_006080
Protein Accession#	NP_006071
Gene Name	SEMA3A
Gene Alias	Hsema-I, Hsema-III, MGC133243, SEMA1, SEMAD, SEMAIII, SEMAL, SemD, coll-1
Gene Description	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
Omim ID	603961
Gene Ontology	Hyperlink

Gene Summary

This gene is a member of the semaphorin family and encodes a protein with an Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a Sema domain. This secreted protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines. Also, aberrant release of this protein is associated with the progression of Alzheimer's disease. [provided by RefSeq]

Other Designations

collapsin 1|semaphorin 3A|semaphorin D|semaphorin III|semaphorin L|semaphorin-like

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)