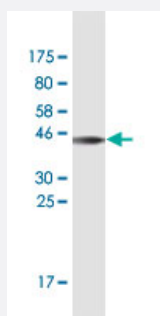


SEMA3A monoclonal antibody (M01A), clone 5G9

Catalog # H00010371-M01A

Size 200 uL

Applications



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	HLEELLHKDDGDGSKTKEMSNSMTSPQKVWYRDFMQLINHPNLNTMDEFCEQVWKRDRKQR 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 ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[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](#)