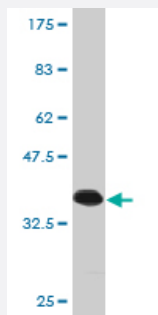


SEMA4G monoclonal antibody (M01), clone 3F2

Catalog # H00057715-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (35.86 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SEMA4G.
Immunogen	SEMA4G (NP_060363, 24 a.a. ~ 115 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RRPSRELDATPRMTIPYEELSGTRHFKGQAQNYSTLLLEEASARLLVGARGALFSL SANDIGDGAH KEIHWEASPEMQSKCHQKGKNNQTEC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (33); Rat (33)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.86 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](#)

- ELISA

Gene Info — SEMA4G

Entrez GeneID	57715
GeneBank Accession#	NM_017893
Protein Accession#	NP_060363
Gene Name	SEMA4G
Gene Alias	FLJ20590, KIAA1619, MGC102867
Gene Description	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G
Gene Ontology	Hyperlink
Gene Summary	Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin. This gene and the gene for mitochondrial ribosomal protein L43 overlap at map location 10q24.31 and are transcribed in opposite directions. [provided by RefSeq]
Other Designations	OTTHUMP00000020312 semaphorin 4G

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)