Mouse SEMA4G ELISA Kit | SEMA4G elisa kit

Mouse SEMA4G PicoKine ELISA Kit

CATALOG #	REACTIVITY
AAA125261	**Mouse**

PRODUCT SYNONYMS

SEMA4G; Mouse SEMA4G PicoKine ELISA Kit; Mouse SEMA4G; sema domain; immunoglobulin domain (Ig); transmembrane domain (TM) and short cytoplasmic domain; (semaphorin) 4G; Semaphorin-4G; Sema4g; SEMA4G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Sema4g
Sequence Length	837
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA4G elisa kit	Principle of the Assay: The Picokine™ Mouse Sema4g Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Sema4g with a 96-well strip plate that is pre-coated with antibody specific for Sema4g. The detection antibody is a biotinylated antibody specific for Sema4g. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Sema4g with immunogen: Expression system for standard: NSO, Immunogen sequence: V18-M673. The kit is analytically validated with ready to use reagents. To measure Mouse Sema4g, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Sema4g in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Sema4g in the sample.!!Background/Introduction: Semaphorin-4G is a protein that in humans is encoded by the SEMA4G gene. This gene is mapped to 19; 19 C3. Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphoring (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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755462
NCBI GeneID	26456
NCBI Accession #	NP_036106.1
NCBI GenBank Nucleotide #	NP_036106.1
UniProt Accession #	Q9WUH7
NCBI Official Full Name	semaphorin-4G
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G
NCBI Official Symbol	Sema4g
NCBI Official Synonym Symbols	AI507908; AW554132
NCBI Protein Information	semaphorin-4G
UniProt Protein Name	Semaphorin-4G
UniProt Gene Name	**Sema4g**
UniProt Entry Name	SEM4G_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/mouse-elisa-kits/sema4g/125261