

Mouse Semaphorin 4B (SEMA4B) ELISA Kit | SEMA4B elisa kit

Mouse Semaphorin 4B (SEMA4B)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152371

REACTIVITY
Mouse

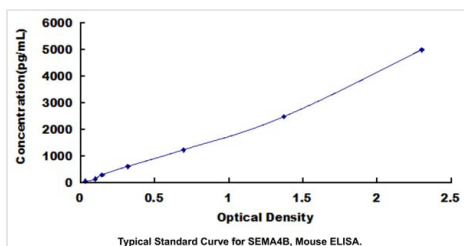
PRODUCT SYNONYMS

Semaphorin 4B (SEMA4B); Mouse Semaphorin 4B (SEMA4B)(Sandwich ELISA) ELISA Kit; ELISA Kit for Semaphorin 4B (SEMA4B); SEMAC; SEMC; Sema Domain; Transmembrane Domain And Cytoplasmic Domain Protein 4B; SEMA4B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA4B. No significant cross-reactivity or interference between SEMA4B and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 32pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SEMA4B were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SEMA4B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA4B elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SEMA4B. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SEMA4B. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SEMA4B, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of SEMA4B in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SEMA4B in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625636
NCBI GeneID	20352
NCBI Accession #	NP_038687.2
NCBI GenBank Nucleotide #	NM_013659.4
UniProt Accession #	Q62179; Q4PKI6; Q69ZB7
Molecular Weight	91,392 Da
NCBI Official Full Name	semaphorin-4B
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B
NCBI Official Symbol	Sema4b
NCBI Official Synonym Symbols	SemC; Semac; mKIAA1745
NCBI Protein Information	semaphorin-4B; sema C; semaphorin-C
UniProt Protein Name	Semaphorin-4B
UniProt Gene Name	Sema4b
UniProt Synonym Gene Names	Kiaa1745; Semac; SemC; Sema C
UniProt Entry Name	SEM4B_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.