

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

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CATALOG #
AAA139175

REACTIVITY
Human

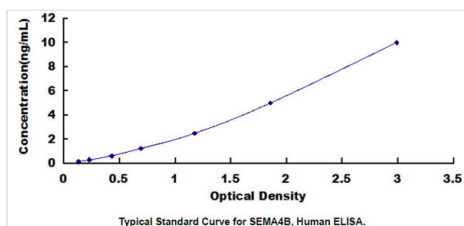
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	737
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/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	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.
Product Categories/Family for SEMA4B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	39777610
NCBI GeneID	10509
NCBI Accession #	NP_945119.1
NCBI GenBank Nucleotide #	NM_198925.2
UniProt Accession #	Q9NPR2; Q6UXE3; Q8WVP9; Q96FK5; Q9C0B8; Q9H691; Q9NPM8; Q9NPN0
Molecular Weight	81,403 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
NCBI Protein Information	semaphorin-4B
UniProt Protein Name	Semaphorin-4B
UniProt Gene Name	SEMA4B
UniProt Synonym Gene Names	KIAA1745; SEMAC
UniProt Entry Name	SEM4B_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/semaphorin-4b-sema4b/139175>