

Human Semaphorin 5A (SEMA5A) ELISA Kit | SEMA5A elisa kit

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CATALOG #
AAA136381

REACTIVITY
Human

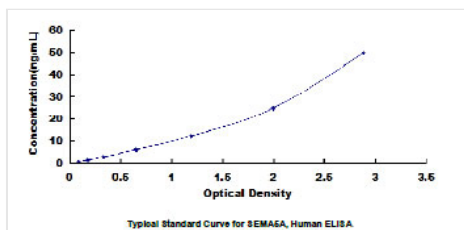
PRODUCT SYNONYMS

Semaphorin 5A (SEMA5A); Human Semaphorin 5A (SEMA5A) ELISA Kit; SEMAF; SemF; Semaphorin-F; Sema Domain; Immunoglobulin Domain(Ig); Transmembrane Domain(TM)and Short Cytoplasmic Domain 5A; SEMA5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Semaphorin 5A (SEMA5A). No significant cross-reactivity or interference between Semaphorin 5A (SEMA5A) and analogues was observed.
Sequence Length	1074
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.33ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Semaphorin 5A (SEMA5A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Semaphorin 5A (SEMA5A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 SEMA5A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Semaphorin 5A (SEMA5A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Semaphorin 5A (SEMA5A). 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 Semaphorin 5A (SEMA5A), 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 Semaphorin 5A (SEMA5A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SEMA5A elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	147904700
NCBI GeneID	9037
NCBI Accession #	NP_003957.2
NCBI GenBank Nucleotide #	NM_003966.2
UniProt Accession #	Q13591; O60408; Q1RLL9; D3DTC6
Molecular Weight	120,615 Da
NCBI Official Full Name	semaphorin-5A
NCBI Official Synonym Full Names	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A
NCBI Official Symbol	SEMA5A
NCBI Official Synonym Symbols	semF; SEMAF
NCBI Protein Information	semaphorin-5A
UniProt Protein Name	Semaphorin-5A
UniProt Gene Name	SEMA5A
UniProt Synonym Gene Names	SEMAF; Sema F
UniProt Entry Name	SEM5A_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-5a-sema5a/136381>