

Human Semaphorin 7A (SEMA7A) ELISA Kit | SEMA7A elisa kit

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CATALOG #
AAA139379

REACTIVITY
Human

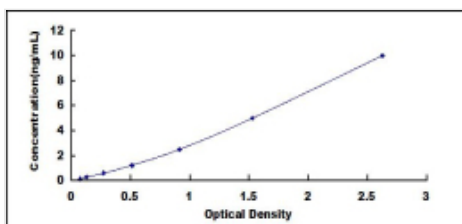
PRODUCT SYNONYMS

Semaphorin 7A (SEMA7A); Human Semaphorin 7A (SEMA7A) ELISA Kit; CD108; CDw108; H-SEMA-K1; H-Sema-L; JMH; SEMAK1; SEMAL; Semaphorin 7A; GPI Membrane Anchor; John Milton Hagen Blood Group; Semaphorin-K1; Semaphorin-L; SEMA7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Semaphorin 7A (SEMA7A). No significant cross-reactivity or interference between Semaphorin 7A (SEMA7A) and analogues was observed.
Sequence Length	652
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/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 7A (SEMA7A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Semaphorin 7A (SEMA7A) 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 SEMA7A 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 7A (SEMA7A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Semaphorin 7A (SEMA7A). 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 7A (SEMA7A), 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 7A (SEMA7A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SEMA7A elisa kit	Signal transduction; CD & Adhesion molecule; Tumor immunity; Infection immunity; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637520
NCBI GeneID	8482
NCBI Accession #	NP_001139501.1
NCBI GenBank Nucleotide #	NM_001146029.1
UniProt Accession #	O75326; Q1XE81; Q1XE82; Q1XE83; Q1XE84; Q3MIY5; B4DDP7; F5H1S0
Molecular Weight	73,364 Da
NCBI Official Full Name	semaphorin-7A isoform 2 preproprotein
NCBI Official Synonym Full Names	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
NCBI Official Symbol	SEMA7A
NCBI Official Synonym Symbols	JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1
NCBI Protein Information	semaphorin-7A
UniProt Protein Name	Semaphorin-7A
UniProt Gene Name	SEMA7A
UniProt Synonym Gene Names	CD108; SEMAL; Sema K1; Sema L
UniProt Entry Name	SEM7A_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-7a-sema7a/139379>