

Human Semaphorin 7A ELISA Kit | SEMA7A elisa kit

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CATALOG #
AAA82608

REACTIVITY
Human

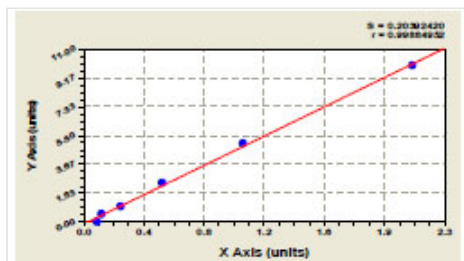
PRODUCT SYNONYMS

Semaphorin 7A; Human Semaphorin 7A ELISA Kit; SEMA7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA7A elisa kit

Intended Uses: This SEMA7A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SEMA7A. This ELISA kit for research use only!

Principle of the Assay: SEMA7A ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SEMA7A. Standards or samples are then added to the microtiter plate wells and SEMA7A if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SEMA7A present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SEMA7A are added to each well to "sandwich" the SEMA7A immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SEMA7A and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA7A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SEMA7A elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637524
NCBI GeneID	8482
NCBI Accession #	NP_001139502.1
NCBI GenBank Nucleotide #	NM_001146030.1
Molecular Weight	73,364 Da
NCBI Official Full Name	semaphorin-7A isoform 3
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; sema L; sema K1; semaphorin L; semaphorin-L; semaphorin K1; semaphorin-K1; JMH blood group antigen; John Milton Hagen blood group H-Sema K1; john-Milton-Hargen human blood group Ag; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, 7A; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (JMH blood group)
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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