

Human Semaphorin 3A (SEMA3A) ELISA Kit | SEMA3A elisa kit

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CATALOG #
AAA246966

REACTIVITY
Human

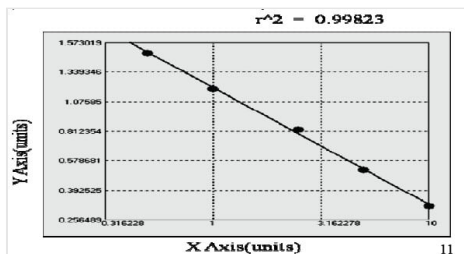
PRODUCT SYNONYMS

Semaphorin 3A (SEMA3A); Human Semaphorin 3A (SEMA3A) ELISA Kit; SEMA3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This SEMA3A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SEMA3A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA3A elisa kit

Principle of the assay: SEMA3A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SEMA3A antibody and an SEMA3A-HRP conjugate. The assay sample and buffer are incubated together with SEMA3A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SEMA3A concentration since SEMA3A from samples and SEMA3A-HRP conjugate compete for the anti-SEMA3A antibody binding site. Since the number of sites is limited, as more sites are occupied by SEMA3A from the sample, fewer sites are left to bind SEMA3A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA3A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SEMA3A elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174673
NCBI GeneID	10371
NCBI Accession #	NP_006071.1
NCBI GenBank Nucleotide #	NM_006080.2
Molecular Weight	88,889 Da
NCBI Official Full Name	semaphorin-3A
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
NCBI Official Symbol	SEMA3A
NCBI Official Synonym Symbols	HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III
NCBI Protein Information	semaphorin-3A; collapsin 1; semaphorin D; semaphorin L; semaphorin III
UniProt Protein Name	Semaphorin-3A
UniProt Gene Name	SEMA3A
UniProt Synonym Gene Names	SEMAD; Sema III
UniProt Entry Name	SEM3A_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://www.aaabiotech.com/human-elisa-kits/semaphorin-3a-sema3a/246966>