

Rat Semaphorin-3A (SEMA3A) ELISA Kit | SEMA3A elisa kit

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CATALOG #
AAA245195

REACTIVITY
Rat

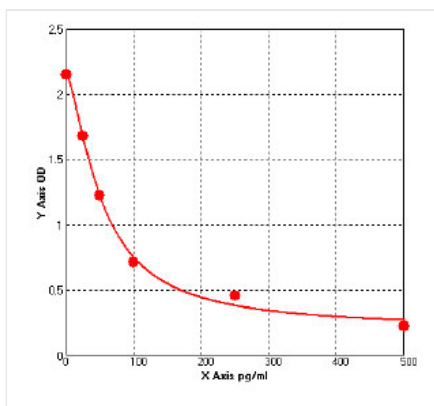
PRODUCT SYNONYMS

Semaphorin-3A (SEMA3A); Rat Semaphorin-3A (SEMA3A) ELISA Kit; SEMA3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA3A. No significant cross-reactivity or interference between SEMA3A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SEMA3A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA3A elisa kit	Intended Uses: This SEMA3A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SEMA3A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SEMA3A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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://stage.aaabiotech.com/rat-elisa-kits/semaphorin-3a-sema3a/245195>