

Rat Semaphorin-3D (SEMA3D) ELISA Kit | SEMA3D elisa kit

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CATALOG #
AAA245326

REACTIVITY
Rat

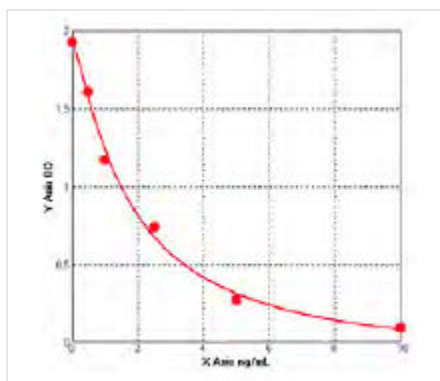
PRODUCT SYNONYMS

Semaphorin-3D (SEMA3D); Rat Semaphorin-3D (SEMA3D) ELISA Kit; SEMA3D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA3D elisa kit

Intended Uses: This SEMA3C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanSEMA3C. This ELISA kit for research use only!

Principle of the Assay: SEMA3C ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SEMA3C antibody and an SEMA3C-HRP conjugate. The assay sample and buffer are incubated together with SEMA3C-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 SEMA3C concentration since SEMA3C from samples and SEMA3C-HRP conjugate compete for the anti-SEMA3C antibody binding site. Since the number of sites is limited, as more sites are occupied by SEMA3C from the sample, fewer sites are left to bind SEMA3C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA3C concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41406086
NCBI GeneID	223117
NCBI Accession #	NP_689967.2
NCBI GenBank Nucleotide #	NM_152754.2
Molecular Weight	89,651 Da
NCBI Official Full Name	semaphorin-3D
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D
NCBI Official Symbol	SEMA3D
NCBI Official Synonym Symbols	coll-2; Sema-Z2
NCBI Protein Information	semaphorin-3D; collapsin 2
UniProt Protein Name	Semaphorin-3D
UniProt Gene Name	SEMA3D
UniProt Synonym Gene Names	UNQ760/PRO1491
UniProt Entry Name	SEM3D_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.