

Mouse Semaphorin-4D ELISA Kit | SEMA4D / CD100 elisa kit

Mouse Semaphorin-4D ELISA Kit

CATALOG #
AAA89806

REACTIVITY
Mouse

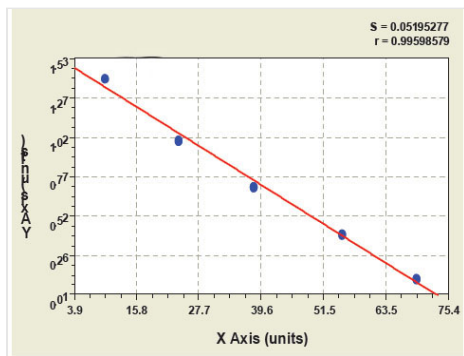
PRODUCT SYNONYMS

Semaphorin-4D; Mouse Semaphorin-4D ELISA Kit; SEMA4D / CD100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SEMA4D ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse SEMA4D. 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 SEMA4D / CD100 elisa kit

Principle of the Assay: SEMA4D ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SEMA4D antibody and an SEMA4D -HRP conjugate. The assay sample and buffer are incubated together with SEMA4D -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 SEMA4D concentration since SEMA4D from samples and SEMA4D -HRP conjugate compete for the anti-SEMA4D antibody binding site. Since the number of sites is limited, as more sites are occupied by SEMA4D from the sample, fewer sites are left to bind SEMA4D -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA4D concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SEMA4D / CD100 elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
Molecular Weight	82,164 Da
NCBI Official Full Name	semaphorin-4D isoform 1
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
NCBI Official Symbol	SEMA4D
NCBI Official Synonym Symbols	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
NCBI Protein Information	semaphorin-4D; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D
UniProt Protein Name	Semaphorin-4D
UniProt Gene Name	SEMA4D
UniProt Synonym Gene Names	C9orf164; CD100; SEMAJ
UniProt Entry Name	SEM4D_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/sema4d-cd100-mouse-elisa-kits/semaphorin-4d/89806>