

Human semaphorin 3G ELISA Kit | Sema3g elisa kit

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CATALOG #
AAA247224

REACTIVITY
Human

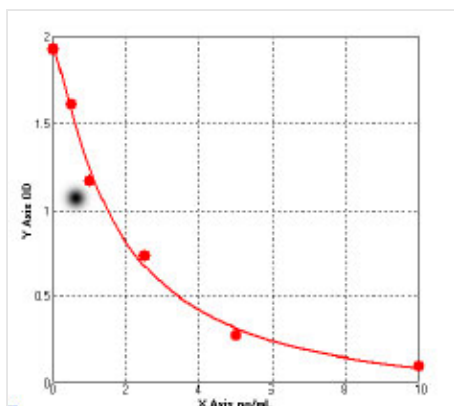
PRODUCT SYNONYMS

semaphorin 3G; Human semaphorin 3G ELISA Kit; Sema3g elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA3G. No significant cross-reactivity or interference between SEMA3G and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SEMA3G and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	780
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sema3g elisa kit	Intended Uses: This SEMA3G ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SEMA3G. This ELISA kit for research use only! Principle of the Assay: SEMA3G ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SEMA3G antibody and an SEMA3G-HRP conjugate. The assay sample and buffer are incubated together with SEMA3G-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 SEMA3G concentration since SEMA3G from samples and SEMA3G-HRP conjugate compete for the anti-SEMA3G antibody binding site. Since the number of sites is limited, as more sites are occupied by SEMA3G from the sample, fewer sites are left to bind SEMA3G-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA3G concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84794605
NCBI GeneID	218877
NCBI Accession #	NP_001020550.1
NCBI GenBank Nucleotide #	NM_001025379.1
UniProt Accession #	Q4LFA9; Q3UVA7
Molecular Weight	86,695 Da
NCBI Official Full Name	semaphorin-3G
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G
NCBI Official Symbol	Sema3g
NCBI Official Synonym Symbols	AK129018
NCBI Protein Information	semaphorin-3G
UniProt Protein Name	Semaphorin-3G
UniProt Gene Name	Sema3g

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/human-elisa-kits/semaphorin-3g/247224>