

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

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CATALOG #
AAA245034

REACTIVITY
Porcine

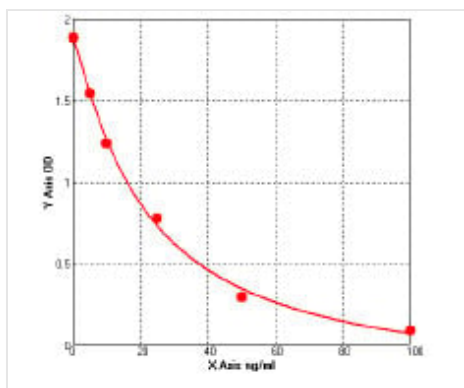
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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 SEMA3A elisa kit

Intended Uses: This SDF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of SheepSDF-1. This ELISA kit for research use only!

Principle of the Assay: SDF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SDF-1 antibody and an SDF-1-HRP conjugate. The assay sample and buffer are incubated together with SDF-1-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 SDF-1 concentration since SDF-1 from samples and SDF-1-HRP conjugate compete for the anti-SDF-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF-1 from the sample, fewer sites are left to bind SDF-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF-1 concentration in each sample is interpolated from this standard curve.

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.