

Chicken Semaphorin 7A ELISA Kit | SEMA7A elisa kit

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CATALOG #
AAA91440

REACTIVITY
Chicken

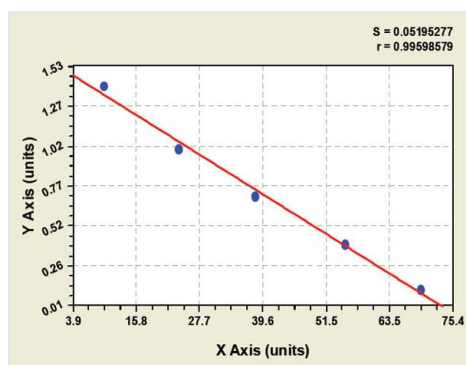
PRODUCT SYNONYMS

Semaphorin 7A; Chicken Semaphorin 7A ELISA Kit; SEMA7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 SEMA7A elisa kit

Intended Uses: This SEMA7A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken SEMA7A. This ELISA kit for research use only!

Principle of the Assay: SEMA7A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SEMA7A antibody and an SEMA7A-HRP conjugate. The assay sample and buffer are incubated together with SEMA7A-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 SEMA7A concentration since SEMA7A from samples and SEMA7A-HRP conjugate compete for the anti-SEMA7A antibody binding site. Since the number of sites is limited, as more sites are occupied by SEMA7A from the sample, fewer sites are left to bind SEMA7A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SEMA7A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SEMA7A elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637524
NCBI GeneID	8482
NCBI Accession #	NP_001139502.1
NCBI GenBank Nucleotide #	NM_001146030.1
UniProt Accession #	O75326; Q1XE81; Q1XE82; Q1XE83; Q1XE84; Q3MIY5
Molecular Weight	74,824 Da
NCBI Official Full Name	semaphorin-7A isoform 3
NCBI Official Synonym Full Names	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
NCBI Official Symbol	SEMA7A
NCBI Official Synonym Symbols	JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1
NCBI Protein Information	semaphorin-7A; sema L; sema K1; semaphorin L; semaphorin-L; semaphorin K1; semaphorin-K1; JMH blood group antigen; John Milton Hagen blood group H-Sema K1; john-Milton-Hagen human blood group Ag; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, 7A; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (JMH blood group)
UniProt Protein Name	Semaphorin-7A
UniProt Gene Name	SEMA7A
UniProt Synonym Gene Names	CD108; SEMAL; Sema K1; Sema L
UniProt Entry Name	SEM7A_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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