

Rat Semaphorin-7A ELISA Kit | SEMA7A elisa kit

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CATALOG #
AAA97865

REACTIVITY
Rat

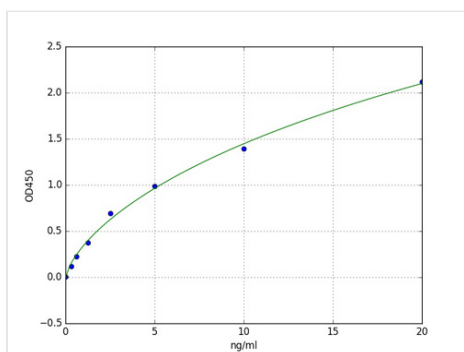
PRODUCT SYNONYMS

Semaphorin-7A; Rat Semaphorin-7A ELISA Kit; SEMA7A/CD108/H-Sema-L/Sema7A/SEMA/CD108 antigen/CD108MGC126696/CDW108/CDw108/H-SEMA-K1/H-Sema-L/JMH/JMH blood group antigen/John-Milton-Hagen human blood group Ag/sema domain; immunoglobulin domain (Ig); and GPI membrane anchor; (semaphorin)7A/sema domain; (semaphorin)7A (JMH blood group)/sema domain; 7A/Sema K1/Sema L/SEMAK1/SEMAJohn Milton Hagen blood group H-Sema K1/semaphorin 7A; GPI membrane anchor (John Milton Hagen blood group)/semaphorin K1/semaphorin L/semaphorin-7A/semaphorin-K1/Semaphorin-K1; SEMA7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	666
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat SEMA7A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.016	0.133	0.263	0.437	0.780	1.235	2.135	2.218

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA7A elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat SEMA7A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat SEMA7A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat SEMA7A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat SEMA7A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504237
NCBI GeneID	8482
NCBI Accession #	NP_003603.1
NCBI GenBank Nucleotide #	NM_003612.4
Molecular Weight	73,364 Da
NCBI Official Full Name	semaphorin-7A isoform 1 preproprotein
NCBI Official Synonym Full Names	semaphorin 7A (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
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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Online datasheet: <https://stage.aaabiotech.com/sema7a-rat-elisa-kits/semaphorin-7a/97865>