

Rat SEMA6C ELISA Kit | SEMA6C elisa kit

Rat SEMA6C PicoKine ELISA Kit

CATALOG #
AAA125266

REACTIVITY
Rat

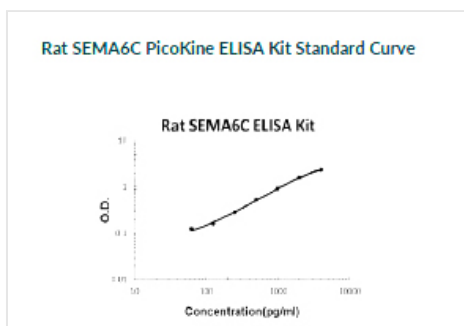
PRODUCT SYNONYMS

SEMA6C; Rat SEMA6C PicoKine ELISA Kit; Rat SEMA6C; semaphorin 6C; Semaphorin-6C; Semaphorin-Y; Sema Y; Sema6c; Semay; SEMA6C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Sema6c
Sequence Length	960
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA6C elisa kit	Principle of the Assay: The Picokine™ Rat Sema6c Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Sema6c with a 96-well strip plate that is pre-coated with antibody specific for Sema6c. The detection antibody is a biotinylated antibody specific for Sema6c. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Sema6c with immunogen: Expression system for standard: NSO, Immunogen sequence: A24-P635. The kit is analytically validated with ready to use reagents. To measure Rat Sema6c, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Rat Sema6c in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Sema6c in the sample.!!Background/Introduction: Semaphorin-6C is a protein that in humans is encoded by the SEMA6C gene. This gene is mapped to 2q34. This gene product is a member of the semaphoring family of proteins. Semaphorins represent important molecular signals controlling multiple aspects of the cellular response that follows CNS injury, and thus may play an important role in neural regeneration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25742793
NCBI GeneID	29744
NCBI Accession #	NP_059004.1
NCBI GenBank Nucleotide #	NP_059004.1
UniProt Accession #	Q9WTL3
NCBI Official Full Name	semaphorin-6C
NCBI Official Synonym Full Names	semaphorin 6C
NCBI Official Symbol	Sema6c
NCBI Protein Information	semaphorin-6C
UniProt Protein Name	Semaphorin-6C
UniProt Gene Name	Sema6c
UniProt Synonym Gene Names	Semay; Sema Y
UniProt Entry Name	SEM6C_RAT

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/rat-elisa-kits/sema6c/125266>