

Rat SEMA6A ELISA Kit | SEMA6A elisa kit

Rat SEMA6A PicoKine ELISA Kit

CATALOG #
AAA125264

REACTIVITY
Rat

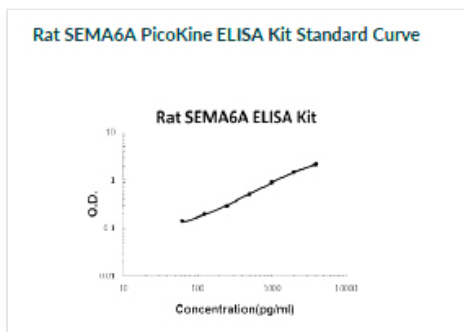
PRODUCT SYNONYMS

SEMA6A; Rat SEMA6A PicoKine ELISA Kit; Rat SEMA6A; Semaphorin 6A; Sema6a; SEMA6A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Sema6a
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 SEMA6A elisa kit	Principle of the Assay: The Picokine™ Rat Sema6a Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Sema6a with a 96-well strip plate that is pre-coated with antibody specific for Sema6a. The detection antibody is a biotinylated antibody specific for Sema6a. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Sema6a with immunogen: Expression system for standard: NSO, Immunogen sequence: G19-T649. The kit is analytically validated with ready to use reagents. To measure Rat Sema6a, 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 Sema6a 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 Sema6a in the sample.!!Background/Introduction: Semaphorin-6A is a protein that in humans is encoded by the SEMA6A gene. This gene is mapped to 18q11. Semaphorin 6A is a transmembrane protein belonging to the semaphorin family. It functions as an axon guidance signal.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	361324
UniProt Accession #	D3ZAX7
NCBI Official Synonym Full Names	semaphorin 6A
NCBI Official Symbol	Sema6a
NCBI Protein Information	semaphorin-6A

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/sema6a/125264>