

Rat Plexin A1 ELISA Kit

Rat Plexin A1 PicoKine ELISA Kit

CATALOG #
AAA125061

REACTIVITY
Rat

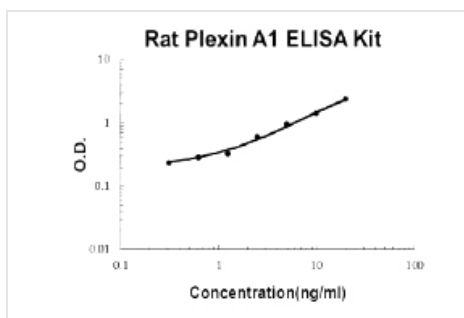
PRODUCT SYNONYMS

Plexin A1; Rat Plexin A1 PicoKine ELISA Kit; Rat Plexin A1; Plexin A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Pcsk9
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta)
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Plexin A1 elisa kit	Principle of the Assay: The Picokine Rat Pcsk9 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Pcsk9 with a 96-well strip plate that is pre-coated with antibody specific for Pcsk9. The detection antibody is a biotinylated antibody specific for Pcsk9. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Pcsk9 with immunogen: Expression system for standard: NSO, Immunogen sequence: S156-Q694. The kit is analytically validated with ready to use reagents. To measure Rat Pcsk9, 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 propotional to Rat Pcsk9 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 Pcsk9 in the sample!!Background/Introduction: PCSK9 is the 9th member of the proprotein convertase family of proteins that activate other proteins.PCSK9 has medical importance because it acts in lipoprotein homeostasis. PCSK9 is ubiquitously expressed in many tissues and cell types. PCSK9 binds to the receptor for low-density lipoprotein particles (LDL), which typically transport 3,000 to 6,000 fat molecules (including cholesterol) per particle, within extracellular fluid. The LDL receptor (LDLR), on liver and other cell membranes, binds and initiates ingestion of LDL-particles from extracellular fluid into cells, thus reducing LDL particle concentrations.
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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/plexin-a1/125061>