

Rat SerpinE2 ELISA Kit | SERPINE2 elisa kit

Rat SerpinE2 PicoKine ELISA Kit

CATALOG #
AAA125083

REACTIVITY
Rat

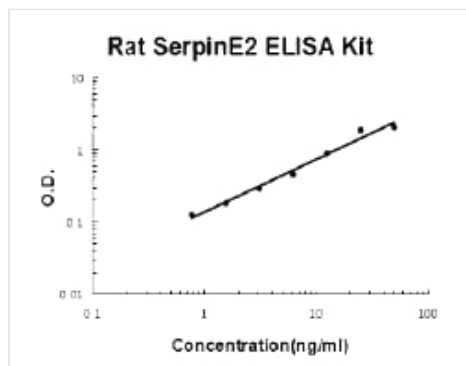
PRODUCT SYNONYMS

SerpineE2; Rat SerpinE2 PicoKine ELISA Kit; Rat SerpinE2; SERPINE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Serpind1
Sequence Length	397
Samples	Cell Culture Supernates, Serum And Plasma (Edta, Citrate) And Urine
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<0.1ng/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 SERPINE2 elisa kit	Principle of the Assay: The Picokine Rat Serpind1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Serpind1 with a 96-well strip plate that is pre-coated with antibody specific for Serpind1. The detection antibody is a biotinylated antibody specific for Serpind1. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Serpind1 with immunogen: Expression system for standard: NSO, Immunogen sequence: E24-S479. The kit is analytically validated with ready to use reagents. To measure Rat Serpind1, 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 Serpind1 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 Serpind1 in the sample!!Background/Introduction: Heparin cofactor II (HCII), a protein encoded by the SERPIND1 gene, is a coagulation factor that inhibits IIa, and is a cofactor for heparin and dermatan sulfate. It is mapped to 11q23. This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27769056
NCBI GeneID	5270
NCBI Official Full Name	SERPINE2 protein
NCBI Official Synonym Full Names	serpin family E member 2
NCBI Official Symbol	SERPINE2
NCBI Official Synonym Symbols	GDN; PI7; PN1; PNI; PI-7; PN-1; GDNPF
NCBI Protein Information	glia-derived nexin

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/serpine2/125083>