

Serpin D1 ELISA Kit | SERPIND1 elisa kit

Rat Serpin D1 PicoKine ELISA Kit

CATALOG #
AAA125097

REACTIVITY
Rat There is no detectable cross-reactivity with other relevant proteins.

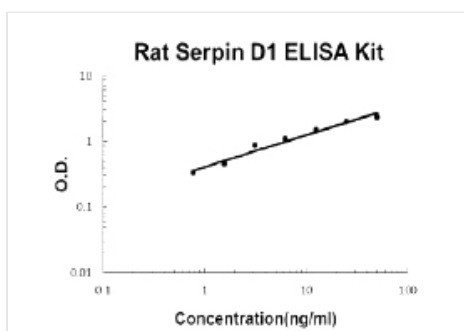
PRODUCT SYNONYMS

Serpin D1; Rat Serpin D1 PicoKine ELISA Kit; Rat Serpin D1; Heparin cofactor 2; Heparin cofactor II; HC-II; Protease inhibitor leuserpin-2; Serpind1; Hcf2; Serpin family D member 1; SERPIND1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat Sema3f
Sequence Length	479
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta Or Citrate)
Detection Range	31.2pg/ml-2000pg/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.
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 SERPIND1 elisa kit	Principle of the Assay: The Picokine Rat Sema3f Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Sema3f with a 96-well strip plate that is pre-coated with antibody specific for Sema3f. The detection antibody is a biotinylated antibody specific for Sema3f. 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 Sema3f with immunogen: Expression system for standard: NSO, Immunogen sequence: A19-T785. The kit is analytically validated with ready to use reagents. To measure Rat Sema3f, 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 Sema3f 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 Sema3f in the sample!!Background/Introduction: Semaphorin-3F is a protein that in humans is encoded by the SEMA3F gene. It is mapped to 8q32. The semaphorins are a family of proteins that are involved in signaling. All the family members have a secretion signal, a 500-amino acid sema domain, and 16 conserved cysteine residues. Sequence comparisons have grouped the secreted semaphorins into 3 general classes, all of which also have an immunoglobulin domain. The semaphorin 3 family, consisting of human semaphorins 3A-G, chicken collapsin, and mouse semaphorins 3A-G, all have a basic domain at the C terminus. Chicken collapsin contributes to path finding by axons during development by inhibiting extension of growth cones through an interaction with a collapsin response mediator protein of relative molecular mass 62K, a putative homolog of an axonal guidance associated UNC33 gene product. SEMA3F is a secreted member of the semaphorin III family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13242285
NCBI GeneID	79224
NCBI Accession #	NP_077358.1
NCBI GenBank Nucleotide #	NM_024382.1
UniProt Accession #	Q64268; Q5BKA6
Molecular Weight	54,552 Da
NCBI Official Full Name	heparin cofactor 2
NCBI Official Synonym Full Names	serpin family D member 1
NCBI Official Symbol	Serpind1
NCBI Official Synonym Symbols	rls2var1
NCBI Protein Information	heparin cofactor 2
UniProt Protein Name	Heparin cofactor 2
UniProt Gene Name	Serpind1
UniProt Synonym Gene Names	Hcf2; HC-II

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.