

Rat PDGF-CC ELISA Kit | PDGF-CC elisa kit

Rat PDGF-CC PicoKine ELISA Kit

CATALOG #
AAA125200

REACTIVITY
Rat

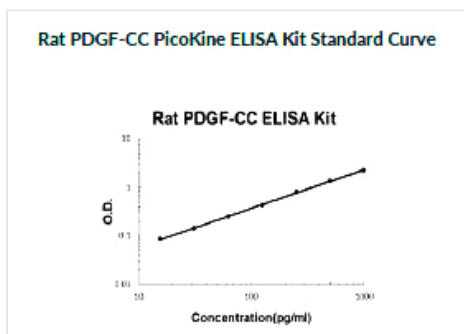
PRODUCT SYNONYMS

PDGF-CC; Rat PDGF-CC PicoKine ELISA Kit; Rat PDGF-CC; platelet derived growth factor C; Platelet-derived growth factor C; PDGF-C; Fallotein; Spinal cord-derived growth factor; SCDGF; VEGF-E; latent form; PDGFC latent form; receptor-binding form; PDGFC receptor-binding form; Pdgfc; Scdgm; PDGF-CC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Pdgfc
Sequence Length	345
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	15.6pg/ml-1000pg/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 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 PDGF-CC elisa kit	Principle of the Assay: The Picokine™ Rat Pdgfc Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Pdgfc with a 96-well strip plate that is pre-coated with antibody specific for Pdgfc. The detection antibody is a biotinylated antibody specific for Pdgfc. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Pdgfc with immunogen: Expression system for standard: E.coli, Immunogen sequence: A235-G345. The kit is analytically validated with ready to use reagents. To measure Rat Pdgfc, 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 Pdgfc 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 Pdgfc in the sample.!!Background/Introduction: Platelet-derived growth factor C, also known as PDGF-C, is a 345-amino acid protein that in humans is encoded by the PDGFC gene. It is mapped to 2q33-q34. Platelet-derived growth factors are important in connective tissue growth, survival and function, and consist of disulphide-linked dimers involving two polypeptide chains, PDGF-A and PDGF-B. PDGF-C is a member of the PDGF/VEGF family of growth factors with a unique two-domain structure and expression pattern. PDGF-C was not previously identified with PDGF-A and PDGF-B, possibly because it may be that it is synthesized and secreted as a latent growth factor, requiring proteolytic removal of the N-terminal CUB domain for receptor binding and activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13786136
NCBI GeneID	79429
NCBI Accession #	NP_112607.1
NCBI GenBank Nucleotide #	NP_112607.1
UniProt Accession #	Q9EQX6
NCBI Official Full Name	platelet-derived growth factor C
NCBI Official Synonym Full Names	platelet derived growth factor C
NCBI Official Symbol	Pdgfc
NCBI Official Synonym Symbols	SCDGF
NCBI Protein Information	platelet-derived growth factor C
UniProt Protein Name	Platelet-derived growth factor C
UniProt Gene Name	Pdgfc
UniProt Synonym Gene Names	Scdgf; PDGF-C; rScdgf; PDGFC latent form; PDGFC receptor-binding form
UniProt Entry Name	PDGFC_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/pdgfc-cc/125200>