

Human Platelet Derived Growth Factor C (PDGFC) CLIA Kit | PDGFC clia kit

Human Platelet Derived Growth Factor C (PDGFC) CLIA Kit

CATALOG # AAA189096	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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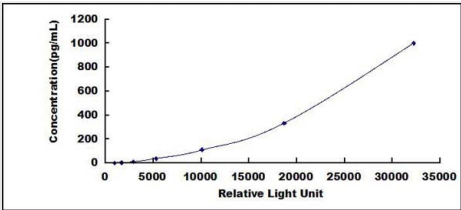
PRODUCT SYNONYMS

Platelet Derived Growth Factor C (PDGFC); Human Platelet Derived Growth Factor C (PDGFC) CLIA Kit; Platelet Derived Growth Factor C; PDGF-C; SCDGF; VEGF-E; Fallotein; Spinal cord-derived growth factor; Platelet-derived growth factor C; latent form; receptor-binding form; PDGFC clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Derived Growth Factor C (PDGFC). No significant cross-reactivity or interference between Platelet Derived Growth Factor C (PDGFC) and analogues was observed.
Sequence Length	345
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.37-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.56pg/mL
Applicable Applications for PDGFC clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Platelet Derived Growth Factor C (PDGFC) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Platelet Derived Growth Factor C (PDGFC) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Platelet Derived Growth Factor C (PDGFC). A competitive inhibition reaction is launched between biotin labeled Platelet Derived Growth Factor C (PDGFC) and unlabeled Platelet Derived Growth Factor C (PDGFC) (Standards or samples) with the pre-coated antibody specific to Platelet Derived Growth Factor C (PDGFC). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Platelet Derived Growth Factor C (PDGFC) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Platelet Derived Growth Factor C (PDGFC) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9994187
NCBI GeneID	56034
NCBI Accession #	NP_057289.1
NCBI GenBank Nucleotide #	NP_057289.1
UniProt Accession #	Q9NRA1
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; FALLOTEIN
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; SCDGF; PDGFC latent form
UniProt Entry Name	PDGFC_HUMAN

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/human-clia-kits/platelet-derived-growth-factor-c-pdgfc/189096>