

Rat Platelet Derived Growth Factor Subunit B (PDGFB) CLIA Kit | PDGFB clia kit

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CATALOG #
AAA130540

REACTIVITY
Rat

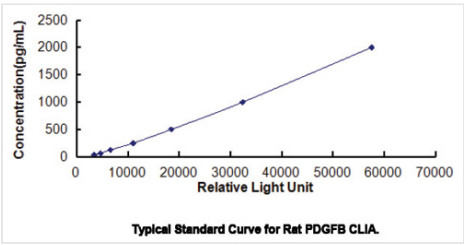
PRODUCT SYNONYMS

Platelet Derived Growth Factor Subunit B (PDGFB); Rat Platelet Derived Growth Factor Subunit B (PDGFB) CLIA Kit; PDGF-B; PDGF2; SIS; SSV; C-sis; Simian Sarcoma Viral(v-sis)Oncogene Homolog; Platelet Derived Growth Factor Beta Polypeptide; Proto-oncogene c-Sis; Becaplermin; PDGFB clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Derived Growth Factor Subunit B (PDGFB). No significant cross-reactivity or interference between Platelet Derived Growth Factor Subunit B (PDGFB) and analogues was observed.
Sequence Length	241
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	2.74-2,000pg/mL
Sensitivity	1.24pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Platelet Derived Growth Factor Subunit B (PDGFB) 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 Subunit B (PDGFB) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for PDGFB clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Platelet Derived Growth Factor Subunit B (PDGFB). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Platelet Derived Growth Factor Subunit B (PDGFB). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. 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 proportional to the Platelet Derived Growth Factor Subunit B (PDGFB) level in the sample or standard.;
Product Categories/Family for PDGFB clia kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505681
NCBI GeneID	5155
NCBI Accession #	NP_002599.1
NCBI GenBank Nucleotide #	NM_002608.2
UniProt Accession #	P01127; P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
Molecular Weight	25,502 Da
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_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.