

Platelet Derived Growth Factor D (PDGFD) CLIA Kit | PDGFD clia kit

CLIA Kit for Platelet Derived Growth Factor D (PDGFD)

CATALOG #
AAA130088

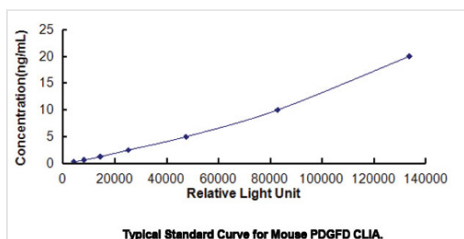
PRODUCT SYNONYMS

Platelet Derived Growth Factor D (PDGFD); CLIA Kit for Platelet Derived Growth Factor D (PDGFD); PDGFD clia kit

PRODUCT SPECIFICATIONS

Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Derived Growth Factor D (PDGFD). No significant cross-reactivity or interference between Platelet Derived Growth Factor D (PDGFD) and analogues was observed.
Sequence Length	364
Assay Type	Sandwich
Samples	Plasma
Detection Range	0.027-20ng/mL. The standard curve concentrations used for the ELISA's were 20ng/mL, 6.67ng/mL, 2.22ng/mL, 0.74ng/mL, 0.247ng/mL, 0.082ng/mL, 0.027ng/mL.
Sensitivity	The minimum detectable dose of this kit is typically less than 0.117ng/mL.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Platelet Derived Growth Factor D (PDGFD) 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 D (PDGFD) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Mus musculus (Mouse)
Assay Length	4.5 hours
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 PDGFD clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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 D (PDGFD) level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15451921
NCBI GeneID	80310
NCBI Accession #	NP_149126.1
NCBI GenBank Nucleotide #	NM_033135.3
UniProt Accession #	Q9GZP0; Q9BWV5; A8K9T6
Molecular Weight	42,848 Da
NCBI Official Full Name	platelet-derived growth factor D isoform 2
NCBI Official Synonym Full Names	platelet derived growth factor D
NCBI Official Symbol	PDGFD
NCBI Official Synonym Symbols	IEGF; SCDGFB; MSTP036; SCDGF-B
NCBI Protein Information	platelet-derived growth factor D; PDGF-D; iris-expressed growth factor; spinal cord derived growth factor B; spinal cord-derived growth factor B; spinal cord-derived growth factor-B
UniProt Protein Name	Platelet-derived growth factor D
UniProt Gene Name	PDGFD
UniProt Synonym Gene Names	IEGF; SCDGFB; PDGF-D; SCDGF-B; PDGFD latent form
UniProt Entry Name	PDGFD_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.