Platelet Derived Growth Factor D (PDGFD) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Platelet Derived Growth Factor D (PDGFD), Polyclonal Antibody
Full Product Name	FITC-Linked Polyclonal Antibody to Platelet Derived Growth Factor D (PDGFD)
Product Gene Name	anti-PDGFD antibody
Product Synonym Names	Platelet Derived Growth Factor D; PDGF-D; IEGF; SCDGF-B; Spinal Cord Derived Growth Factor B; Iris-expressed growth factor; Platelet-derived growth factor D, receptor-binding form/latent form
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=0.5mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, -20 degree C for 12 months Stable for 12 months if correctly stored.
Matching Pairs	Antibody: PDGFD (MBS2142787) Immunogen: PDGFD (MBS2140211)
Matching Pairs	Unconjugated Antibody: PDGFD (MBS2152263) FITC Conjugated Antibody: PDGFD (MBS2142787)
Molecular Weight	42,809 Da
Immunogen Sequence Positions	Thr24~Arg364
3D Structure	ModBase 3D Structure for Q925I7
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	FITC
Product Categories/Family for anti-PDGFD antibody	Polyclonal Antibodies (Primary Abs); Primary, FITC-conjugated; Cytokine
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PDGFD antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-PDGFD antibody	WB: 0.5-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Related Product Information for anti-PDGFD antibody	MBS2142787 is an antibody targeting PDGFD. Also known as FITC-Linked Polyclonal Antibody to Platelet Derived Growth Factor D (PDGFD). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PDGFD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDGFD. It may not necessarily be applicable to this product.

NCBI GI #	27229137
NCBI GeneID	71785
NCBI Accession #	NP_082200.1
UniProt Primary Accession #	Q925I7
UniProt Secondary Accession #	Q3URF6; Q8K2L3; Q9D1L8
UniProt Related Accession #	Q925I7
GenBank Nucleotide #	NM_027924.2
NCBI Official Full Name	platelet-derived growth factor D
NCBI Official Synonym Full Names	platelet-derived growth factor, D polypeptide
NCBI Official Symbol	Pdgfd
NCBI Official Synonym Symbols	1110003I09Rik
UniProt Protein Name	Platelet-derived growth factor D
UniProt Synonym Protein Names	Spinal cord-derived growth factor B; SCDGF-B
Protein Family	Platelet-derived growth factor
UniProt Gene Name	Pdgfd
UniProt Synonym Gene Names	Scdgfb; PDGF-D; SCDGF-B; PDGFD latent form; PDGFD receptor-binding form
UniProt Entry Name	PDGFD_MOUSE
NCBI Protein Information	platelet-derived growth factor D; PDGF-D; SCDGF-B; spinal cord-derived growth factor B
UniProt Comments for PDGFD	PDGFD: Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Plays an important role in wound healing. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix. Belongs to the PDGF/VEGF growth factor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted; Oncoprotein Cellular Component: extracellular space; membrane; extracellular region Molecular Function: growth factor activity; platelet-derived growth factor receptor binding Biological Process: multicellular organismal development; positive regulation of cell division; platelet-derived growth factor receptor signaling pathway; cellular process; regulation of peptidyl-tyrosine phosphorylation
Research Articles on PDGFD	**1.** PDGF D represents a potentially promising target for prostate carcinoma treatment resistance in the absence of PTEN function, and warrants further laboratory evaluation and clinical study.
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