

Mouse anti-Human PDGF-BB Monoclonal Antibody | anti-PDGF-BB antibody

Mouse anti Human PDGF-BB

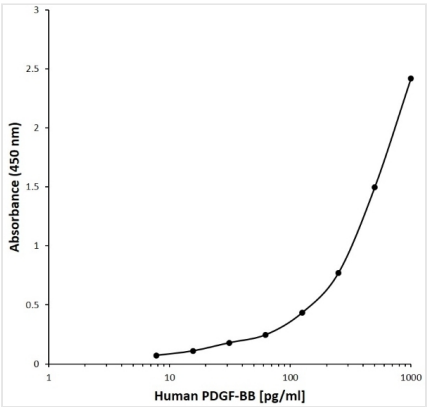
CATALOG # AAA12291	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

PDGF-BB; Monoclonal Antibody; Mouse anti Human PDGF-BB; PDGF-BB antibody | AB06-1E10; anti-PDGF-BB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AB06-1E10
Specificity	PDGF-BB
Purity/Purification	Purified IgG - liquid Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Phosphate buffered saline
Concentration	Approx. Protein Concentration: IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-PDGF-BB antibody	ELISA
Application Notes	ELISA: 1.0ug/ml Where this product has not been tested for use in a particular technique this doesn't necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.
Immunogen	E Coli derived recombinant human full length PDGF-BB (Ser82-Thr190)
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Target Species	Human
Carrier Free	Yes
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃)
Preparation and Storage	It is recommended to aliquot and store at -20 degree C on date of receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in a frost-free freezer is not recommended.



ELISA
Sandwich ELISA analysis of human PDGF-BB using Mouse anti Human PDGF-BB (AAA12291) as a capture reagent and biotinylated Mouse anti Human PDGF-BB as a detection reagent with purified recombinant PDGF-BB as the antigen. Detection was performed using HRP conjugated streptavidin and substrate.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGF-BB antibody	Mouse anti Human PDGF-BB antibody, clone AB06-1E10, recognizes the homodimer of platelet-derived growth factor subunit B (PDGF-B) also known as PDGF-2, PDGF beta chain and PDGF beta polypeptide. PDGF-BB is a member of the PDGF growth factor family which is made up of 4 isoforms (A, B, C and D). PDGF-BB is a homodimer of the B isoform which is able to bind all three of the PDGF receptors to trigger various signaling pathways including Ras-MAPK, PI3K, PLCgamma, and JAK (Evrova & Buschmann 2017). Activation of these pathways lead to transcription of PDGF target genes playing roles in embryogenesis, and in adults under physiological conditions, roles in tissue repair, wound healing and maturation of blood vessels and white adipocytes (Saplacan et al. 2017). The purified Mouse anti Human PDGF-BB antibody, clone AB06-1E10 can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human PDGF-BB antibody, clone AB13-3G6 (MBS226223) as the detection antibody.
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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
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; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B; becaptermin; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B

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/monoclonal/pdgf-bb-antibody-clone-ab06-1e10-elisa/12291>