Mouse PDGF-BB Antibody Pair Set

Catalog No. E-KAB-0684 **Applications** ELISA

Synonyms c-sis;IBGC5;PDGF2;PDGF-2;PDGFB;Platelet-derived growth factor subunit B;SIS;SSV;PDGFBB;PDGF-BB

Kit components & Storage

Title	Specifications	Storage
Mouse PDGF-BB Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse PDGF-BB Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0684)	
		Mouse PDGF-BB Capture Antibody	Mouse PDGF-BB Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse PDGF-BB protein	Recombinant Mouse PDGF-BB protein
	Swissprot	P31240	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Mouse PDGF-BB in ELISAs.	

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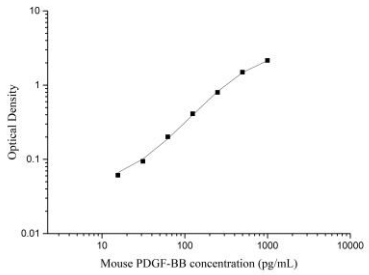
Applications

Mouse PDGF-BB Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse PDGF-BB Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse PDGF-BB Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

PDGF-BB is a mitogen that was initially identified as simian sarcoma viral oncogene homolog. It belongs to the Platelet-Derived Growth Factor (PDGF) family which includes five members: PDGF-AA,PDGF-BB,PDGF-AB,PDGF-CC,and PDGF-DD. PDGF-AA,AB,and BB dimers are processed intracellularly and secreted as active dimers that readily activate PDGF receptors (PDGFRs). PDGF-BB exerts its biological functions through the activation of dimeric receptors that are made up of two structurally similar protein-tyrosine kinase receptor subunits (αα-,αβ-,or ββ-PDGFR). PDGF-BB induces VSMC dedifferentiation by the down regulation of contractile protein markers and the up regulation of MMP-2. In cutaneous remodeling,studies ex vivo revealed that PDGF-BB is a mitogen and chemoattractant for dermal fibroblasts. Abnormalities of PDGFR/PDGF are thought to contribute to a number of human diseases,especially malignancy. Autocrine signaling is a consequence of PDGF-BB overexpression,which is clearly implicated in the pathogenesis of dermatofibrosarcoma protruberans (DFSP).

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