

PDGFB

Mouse Anti-Human Platelet-Derived Growth Factor beta homodimer mAb

Catalog No.	CMP107	Quantity:	100 µg
Alternate Names:	PDGF2, SIS, SSV, c-Sis		
Description:	<p>Platelet-Derived Growth Factor beta (PDFGB) is a member of the Platelet-Derived Growth Factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. PDGFB can exist either as a homodimer (PDGF-BB) or as a heterodimer (PDGF-AB) with Platelet-Derived Growth Factor alpha (PDGFA), where the dimers are connected by disulfide bonds. Mutations in the <i>PDGFB</i> gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for <i>COL1A1</i> are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene.</p>		
Gene ID:	5155		
Specificity:	Recognizes Human PDGF-BB		
Host:	Mouse		
Immunogen:	Recombinant Human PDGF-BB		
Isotype:	IgG2		
Formulation:	Lyophilized from sterile filtered solution in PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with sterile distilled water.		
Cross-Reactivity:	40% cross-reactivity with rPDGF-AB and no cross-reactivity with rPDGF-AA		
Applications:	<p>Western Blot</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	Stable below -20°C. After reconstitution, stored in working aliquots below -20°C for at least six months. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

