

Datasheet: MCA6265B

Description:	MOUSE ANTI HUMAN PDGF-BB:Biotin
Specificity:	PDGF-BB
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	AB13-3G6
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/lm

Where this product has not been tested for use in a particular technique this does not 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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length PDGF-BB (Ser82-Thr190)
External Database Links	UniProt:

[P01127](#) [Related reagents](#)

Entrez Gene:

[5155](#) PDGFB [Related reagents](#)

Synonyms	PDGF2, SIS
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Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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Specificity	<p>Mouse anti Human PDGF-BB antibody, clone AB13-3G6, 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, PLCγ, 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).</p> <p>The biotinylated Mouse anti Human PDGF-BB antibody, clone AB13-3G6 (MCA6265B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human PDGF-BB antibody, clone AB06-1E10 (MCA6264GA) as the capture antibody.</p>
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Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN PDGF-BB \(MCA6264GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN PDGF-BB \(MCA6264GA\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M390655:210924'

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