

Datasheet: MCA6264GA

**BATCH NUMBER 100007801**

<b>Description:</b>	MOUSE ANTI HUMAN PDGF-BB
<b>Specificity:</b>	PDGF-BB
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AB06-1E10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			1.0 ug/ml

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> derived recombinant human full length PDGF-BB (Ser82-Thr190)

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**External Database****Links****UniProt:**[P01127](#)[Related reagents](#)**Entrez Gene:**[5155](#)

PDGFB

[Related reagents](#)

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**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**

**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, 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](#)).

The purified Mouse anti Human PDGF-BB antibody, clone AB06-1E10 (MCA6264GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human PDGF-BB antibody, clone AB13-3G6 ([MCA6265B](#)) as the detection antibody.

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**Storage**

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6264GA>  
10040

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**Regulatory**For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)

[HRP](#)

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG (STAR70...)

[FITC](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)

[Alk. Phos.](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

**Recommended Negative Controls**

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HUMAN PDGF-BB:Biotin \(MCA6265B\)](#)

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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](https://bio-rad-antibodies.com/datasheets)  
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