

Datasheet: MCA6264GA

BATCH NUMBER 100005379

Description:	MOUSE ANTI HUMAN PDGF-BB
Specificity:	PDGF-BB
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AB06-1E10
Isotype:	IgG1
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/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.

Target Species	Human
Product Form	Purified IgG - 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)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 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

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

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.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

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

RegulatoryFor research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)Goat Anti Mouse IgG (STAR76...) [RPE](#)Rabbit Anti Mouse IgG (STAR13...) [HRP](#)Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Useful Reagents

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

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

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