

## Product datasheet

# Anti-PDGF B antibody [MM0014-5F66] ab51869

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### Overview

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<b>Product name</b>	Anti-PDGF B antibody [MM0014-5F66]
<b>Description</b>	Mouse monoclonal [MM0014-5F66] to PDGF B
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein (Human)
<b>Positive control</b>	WB: Human placenta tissue lysate. IHC-P: Human placenta tissue. Flow Cyt: SHSY-5Y cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MM0014-5F66
<b>Isotype</b>	IgG1

### Applications

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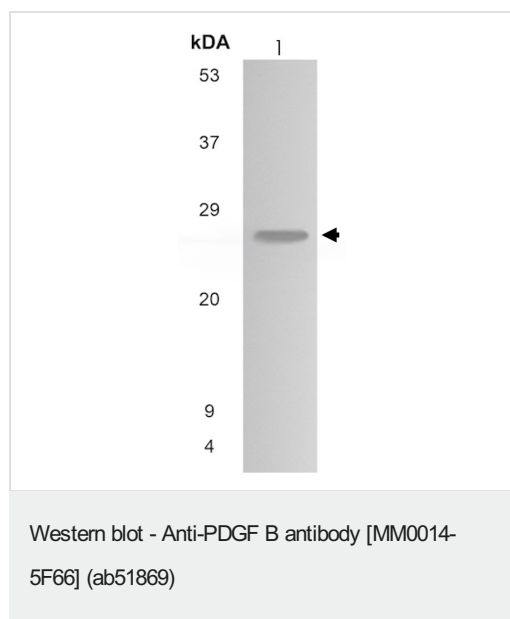
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab51869 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 27 kDa.
Flow Cyt		Use 1 µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		1/50 - 1/200. Perform enzymatic antigen retrieval before commencing with IHC staining protocol.

## Target

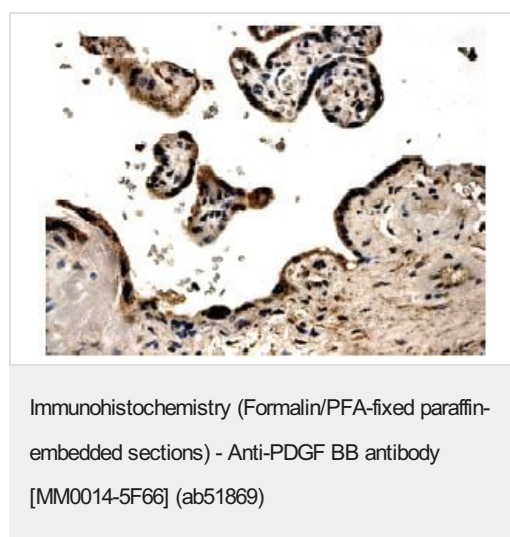
## Images



Anti-PDGF B antibody [MM0014-5F66] (ab51869) at 1/1000 dilution + Human placenta tissue lysate

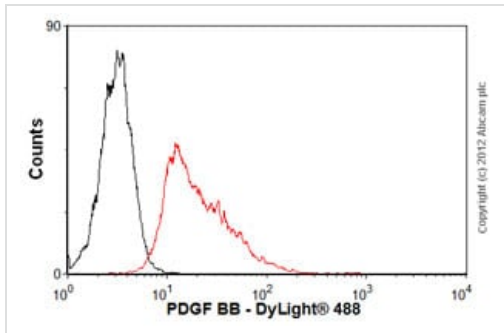
**Predicted band size:** 27 kDa

**Observed band size:** 27 kDa



ab51869 at 1/200 dilution, staining PDGF BB in human placental tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections).

Antigen retrieval was done using proteinase K (20 µg/mL in PBS: Room temperature, ranging from 5 min to 30 mins).



Flow Cytometry - Anti-PDGF BB antibody [MM0014-5F66] (ab51869)

Overlay histogram showing SHSY-5Y cells stained with ab51869 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab51869, 1 µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in SHSY-5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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