

## Product datasheet

# Anti-PLGF antibody [RM0010-8F09] ab51654

5 References 1 Image

### Overview

---

<b>Product name</b>	Anti-PLGF antibody [RM0010-8F09]
<b>Description</b>	Rat monoclonal [RM0010-8F09] to PLGF
<b>Host species</b>	Rat
<b>Specificity</b>	ab51654 recognizes mouse PLGF.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant full length protein (Mouse)
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&amp;As.</p>

### Properties

---

<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>Purification notes</b>	ab51654 was produced from a hybridoma. The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography and lyophilized.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RM0010-8F09
<b>Isotype</b>	IgG2

## Applications

Our [Abpromise guarantee](#) covers the use of **ab51654** in the following tested applications.

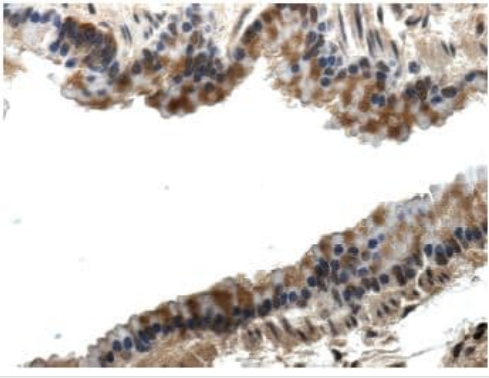
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100.

## Target

<b>Function</b>	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner.
<b>Tissue specificity</b>	While the three isoforms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas.
<b>Sequence similarities</b>	Belongs to the PDGF/VEGF growth factor family.
<b>Domain</b>	Isoform PIGF-2 contains a basic insert which acts as a cell retention signal.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Secreted. The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PLGF antibody [RM0010-8F09] (ab51654)

ab51654 at 1/100 dilution, staining PLGF in LPS exposed mouse lung tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections).

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors