

Datasheet: AHP1381

**BATCH NUMBER 157774**

<b>Description:</b>	RABBIT ANTI HUMAN PLGF
<b>Specificity:</b>	PLGF
<b>Other names:</b>	PLACENTAL GROWTH FACTOR
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.0ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p>

**Antiserum Preparation** Antisera to human PIGF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml after reconstitution

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**Immunogen** Recombinant human PLGF.

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**External Database Links**

**UniProt:**

[P49763](#)    [Related reagents](#)

**Entrez Gene:**

[5228](#)    PGF    [Related reagents](#)

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**Synonyms** PGFL, PLGF

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**RRID** AB\_2161051

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**Specificity** **Rabbit anti human PIGF antibody** recognizes human placental growth factor (PIGF). PIGF is a dimeric glycoprotein and member of the vascular endothelial growth factor (VEGF) family, involved in angiogenesis, and the stimulation of endothelial cell proliferation and migration.

The three isoforms PIGF-1, PIGF-2 and PIGF-3 are present in most placental tissues and act through binding to the VEGFR-1/FLT1 receptor. The involvement of PIGF in angiogenesis has made PIGF a focus area in the study of inflammatory diseases such as rheumatoid arthritis and psoriasis, and PIGF is used as a biochemical marker in cardiovascular disease, and also detected at reduced levels during pre-eclampsia ([Krauss et al. 2004](#)).

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**Western Blotting** This purified human PLGF antibody may be used in Western Blotting applications under either reducing or non-reducing conditions.

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**References** 1. Maglione, D. *et al.* (1991) Isolation of a human placenta cDNA coding for a protein related to the vascular permeability factor. [Proc Natl Acad Sci U S A. 88 \(20\): 9267-71.](#)

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**Storage** Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	6 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1381">https://www.bio-rad-antibodies.com/SDS/AHP1381</a> 10162
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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)  
'M372490:200706'

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