

Datasheet: AHP1381

BATCH NUMBER 171963

Description:	RABBIT ANTI HUMAN PLGF
Specificity:	PLGF
Other names:	PLACENTAL GROWTH FACTOR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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
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.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	<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.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Carrier Free Yes

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

Immunogen Recombinant human PLGF.

External Database Links

UniProt:

[P49763](#) [Related reagents](#)

Entrez Gene:

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

Synonyms PGFL, PLGF

RRID AB_2161051

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](#)).

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

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.](#)

Storage This product is shipped at ambient temperature.
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.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP1381
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439023:250523'

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