

Datasheet: AHP774

Description:	RABBIT ANTI HUMAN GRO GAMMA
Specificity:	GRO GAMMA
Other names:	CXCL3
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)	▪			0.5 - 0.7ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Immunofluorescence			▪	
Functional Assays	▪			1.0 - 2.0ug/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 - lyophilised
Reconstitution	<p>Reconstitute with 0.1 ml 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> <p>N.B. For functional studies do not add sodium azide</p>
Antiserum Preparation	Antisera to human GRO-gamma were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

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

Immunogen Recombinant human GRO-gamma ([PHP117](#))

External Database Links

UniProt:

[P19876](#) [Related reagents](#)

Entrez Gene:

[2921](#) CXCL3 [Related reagents](#)

Synonyms GRO3, GROG, SCYB3

Specificity **Rabbit anti Human GRO gamma antibody** recognizes human GRO-gamma, also known as CXCL3, Growth-regulated protein gamma, GRO-gamma(1-73), Macrophage inflammatory protein 2-beta or MIP2-beta. GRO gamma is a ~7.9 kDa CXC chemokine and one of three closely related, but distinct GRO gene products, which act as chemoattractants and activators of neutrophils and basophils.

Like GRO-alpha (CXCL1) and GRO-beta (CXCL2), GRO-gamma contains the ELR-motif (N-Terminal Glu-Leu-Arg amino acid sequence) and signals through the CXCR1 and CXCR2 receptors, though studies have shown a difference in the potency and receptor binding affinity of these three proteins ([Wuyts et al. 1999](#)).

References 1. Kogan-sakin, I. *et al.* (2009) Prostate stromal cells produce CXCL-1, CXCL-2, CXCL-3 and IL-8 in response to epithelia-secreted IL-1. [Carcinogenesis. 30 \(4\): 698-705.](#)

Further Reading 1. Haskill, S. *et al.* (1990) Identification of three related human GRO genes encoding cytokine functions. [Proc Natl Acad Sci U S A. 87 \(19\): 7732-6.](#)
2. Geiser, T. *et al.* (1993) The interleukin-8-related chemotactic cytokines GRO alpha, GRO beta, and GRO gamma activate human neutrophil and basophil leukocytes. [J Biol Chem. 268 \(21\): 15419-24.](#)

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

Shelf Life 3 months from date of reconstitution.

Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

'M317471:180702'

Printed on 11 Jul 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)