

Datasheet: AHP773

**BATCH NUMBER 148365**

<b>Description:</b>	RABBIT ANTI HUMAN GRO BETA
<b>Specificity:</b>	GRO BETA
<b>Other names:</b>	CXCL2
<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)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.5 - 1.0ug/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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not azide.

**Antiserum Preparation** Antisera to human GRO-beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Recombinant human GRO-beta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P19875</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2920</a>    CXCL2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GRO2, GROB, MIP2A, SCYB2
<b>RRID</b>	AB_2086316
<b>Specificity</b>	<p><b>Rabbit anti Human GRO beta antibody</b> recognizes human GRO-beta, also known as Growth-regulated protein beta, C-X-C motif chemokine 2, Macrophage inflammatory protein 2-alpha, MIP-2<math>\alpha</math> or CXCL2. GRO beta 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.</p> <p>Like GRO-alpha (CXCL1) and GRO-gamma (CXCL3), GRO-beta contains the ELR-motif (N-terminal Glu-Leu-Arg amino acid sequence) and signals through the CXCR1 and CXCR2 receptors, though studies have shown that GRO-beta has a lower potency and receptor binding affinity (<a href="#">Geiser <i>et al.</i> 1993</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Haskill, S. <i>et al.</i> (1990) Identification of three related human GRO genes encoding cytokine functions. <a href="#">Proc Natl Acad Sci U S A. 87 (19): 7732-6.</a></li> <li>Geiser, T. <i>et al.</i> (1993) The interleukin-8-related chemotactic cytokines GRO alpha, GRO beta, and GRO gamma activate human neutrophil and basophil leukocytes. <a href="#">J Biol Chem. 268 (21): 15419-24.</a></li> <li>Kogan-sakin, I. <i>et al.</i> (2009) Prostate stromal cells produce CXCL-1, CXCL-2, CXCL-3 and IL-8 in response to epithelia-secreted IL-1. <a href="#">Carcinogenesis. 30 (4): 698-705.</a></li> </ol>
<b>Storage</b>	<p>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.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety  
Information**

Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP773>  
10162

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**Regulatory**

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://www.bio-rad-antibodies.com/datasheets)  
'M350021:190307'

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