

## Datasheet: AHP1481B

<b>Description:</b>	RABBIT ANTI HUMAN GALECTIN-3:Biotin
<b>Specificity:</b>	GALECTIN-3
<b>Other names:</b>	MAC-2
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized

<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin 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.
<b>Antiserum Preparation</b>	Antiserum to human galectin-3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml
<b>Immunogen</b>	<a href="#">Recombinant human galectin-3.</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P17931</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3958</a>    LGALS3    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	MAC2
<b>RRID</b>	AB_1102581
<b>Specificity</b>	<p><b>Rabbit anti Human Galectin-3 antibody</b> recognizes human Galectin-3 (Gal-3), also known as the Mac-2 antigen. Gal-3 is a 250 amino acid ~35 kDa member of the galectin family of beta-galactoside-binding proteins, which is involved in both intracellular and extracellular functions and exhibits anti-apoptotic properties.</p> <p>Gal-3 is implicated in many biological processes, including cell differentiation, growth, adhesion, angiogenesis and inflammation, and is expressed in a wide range of neoplasms. Gal-3 acts as a regulator of tumor metastasis expression correlates with tumor progression in liver, thyroid, colon, gastric and breast carcinomas (<a href="#">Califice <i>et al.</i> 2004</a>).</p>
<b>Western Blotting</b>	AHP1481B may be used under either reducing or non-reducing conditions with <a href="#">PHP188</a> as the positive control.
<b>References</b>	<ol style="list-style-type: none"> <li>Chen, Y.X. <i>et al.</i> (2015) The Sirt1 activator SRT1720 attenuates angiotensin II-induced atherosclerosis in apoE<sup>-/-</sup> mice through inhibiting vascular inflammatory response. <a href="#">Biochem Biophys Res Commun. 465 (4): 732-8.</a></li> <li>Sundaraman, S.S. <i>et al.</i> (2021) Adipocyte calcium sensing receptor is not involved in</li> </ol>

visceral adipose tissue inflammation or atherosclerosis development in hyperlipidemic Apoe<sup>-/-</sup> mice. [Sci Rep. 11 \(1\): 10409.](#)

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<b>Further Reading</b>	1. Dumic, J. <i>et al.</i> (2006) Galectin-3: an open-ended story. <a href="#">Biochim Biophys Acta. 1760 (4): 616-35.</a>
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<b>Storage</b>	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>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.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1481B">https://www.bio-rad-antibodies.com/SDS/AHP1481B</a> 10294
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Positive Controls

[RECOMBINANT HUMAN GALECTIN-3 \(PHP188\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M399215:220628'

**Printed on 23 Jul 2024**