

Datasheet: PHP188

BATCH NUMBER 165007

Description:	RECOMBINANT HUMAN GALECTIN-3
Name:	GALECTIN-3
Other names:	MAC-2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			

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.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water. 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.
Preparation	Purified recombinant galectin-3 expressed in <i>E.coli</i>
Source	<i>E.coli</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	<p>UniProt: P17931 Related reagents</p> <p>Entrez Gene: 3958 LGALS3 Related reagents</p>
Synonyms	MAC2
Product Information	<p>Recombinant Human galectin-3 (Gal-3) is a member of the galectin family of beta-galactoside-binding proteins, 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, and expression correlates with tumor progression in liver, thyroid, colon, gastric and breast carcinomas.</p>
Protein Molecular Weight	26 kDa (250 amino acid residues)
Activity	Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 µg/ml with a peak response obtained at 250 µg/ml.
Purity	>98% by SDS PAGE/HPLC
ELISA	PHP188 may be used as a standard in ELISA applications involving AHP1481B .
Western Blotting	PHP188 may be used as a positive control in western blotting applications involving AHP1481B .
Storage	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p> <p>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>
Guarantee	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 #10302 available at: https://www.bio-rad-antibodies.com/SDS/PHP188

Regulatory

For research purposes only

Related Products**Recommended Useful Reagents**[RABBIT ANTI HUMAN GALECTIN-3:Biotin \(AHP1481B\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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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

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