

## Datasheet: PHP188

<b>Description:</b>	RECOMBINANT HUMAN GALECTIN-3
<b>Name:</b>	GALECTIN-3
<b>Other names:</b>	MAC-2
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<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
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Purified recombinant galectin-3 expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

<b>Endotoxin Level</b>	< 1.0 EU/ug
<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P17931</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3958</a> LGALS3 <a href="#">Related reagents</a>
<b>Synonyms</b>	MAC2
<b>Product Information</b>	<p><b>Recombinant Human galectin-3 (Gal-3)</b> 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>
<b>Protein Molecular Weight</b>	26 kDa (249 amino acid residues)
<b>Activity</b>	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.
<b>Purity</b>	>98% by SDS PAGE/HPLC
<b>Storage</b>	<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>
<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.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10302 available at:</p> <p><a href="https://www.bio-rad-antibodies.com/SDS/PHP18810302">https://www.bio-rad-antibodies.com/SDS/PHP18810302</a></p>
<b>Regulatory</b>	For research purposes only

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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://bio-rad-antibodies.com/datasheets)  
'M433671:241118'

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