

## Datasheet: PHP187

**BATCH NUMBER 171119**

<b>Description:</b>	RECOMBINANT HUMAN GALECTIN-1
<b>Name:</b>	GALECTIN-1
<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. For extended storage, the addition of 0.1% bovine serum albumin (BSA) is recommended.
<b>Preparation</b>	Purified recombinant galectin-1 expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Buffer Solution</b>	10mM Sodium phosphate pH7.5
<b>Preservative Stabilisers</b>	None present

<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 1.0 EU/ug
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.1 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P09382</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3956</a>    LGALS1    <a href="#">Related reagents</a></p>
<b>Product Information</b>	<p><b>Recombinant Human galectin-1 (Gal-1)</b> is a member of the galectin family of beta-galactoside-binding proteins, which exhibits both intracellular and extracellular functions, and is differentially expressed by a wide range of normal and neoplastic tissues.</p> <p>Galectin-1 has been implicated in several major cellular functions including proliferation, motility, haematopoietic cell differentiation, apoptosis promotion and immunoregulatory effects. The expression of Gal-1 by neuronal and glial cells correlates with neuroregeneration following injury, Gal-1 is important to primary sensory neurons and synaptic connections in the spinal cord, during embryonic development.</p>
<b>Protein Molecular Weight</b>	14.5 kDa (134 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.  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.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP187">https://www.bio-rad-antibodies.com/SDS/PHP187</a>
<b>Regulatory</b>	For research purposes only

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

