

## Datasheet: PHP187

<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 - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5ml 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>Buffer Solution</b>	10mM Sodium phosphate pH7.5
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	< 1 EU/ug
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.1 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b> <a href="http://www.uniprot.org/entry/P09382">P09382</a> <a href="#">Related reagents</a>

**Entrez Gene:**[3956](#) [LGALS1](#) [Related reagents](#)

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**Product Information** **Recombinant Human galectin-1 (Gal-1)** 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.

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, and studies have shown the importance of Gal-1 to primary sensory neurons and synaptic connections in the spinal cord, during embryonic development.

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**Molecular Weight** 14.5kD (134 amino acid residues)

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**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.

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**Purity** >98% by SDS PAGE/HPLC analysis

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**ELISA** Recombinant human galectin-1 may be used as the standard for ELISA applications with either our [purified human galectin-1 antibody](#) (AHP1480) or our [biotinylated human galectin-1 antibody](#) (AHP1480B)

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**Western Blotting** Recombinant human galectin-1 may be used as the positive control for Western Blotting applications with either our [purified human galectin-1 antibody](#) (AHP1480) or our [biotinylated human galectin-1 antibody](#) (AHP1480B).

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**Storage** Prior to reconstitution store at +4°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.

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**Shelf Life** 3 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10527 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf>

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**Regulatory** For research purposes only

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