

Datasheet: PHP187

BATCH NUMBER 165819

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

Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug
Approx. Protein Concentrations	Total protein concentration 0.1 mg/ml after reconstitution
External Database Links	<p>UniProt: P09382 Related reagents</p> <p>Entrez Gene: 3956 LGALS1 Related reagents</p>
Product Information	<p>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.</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>
Protein Molecular Weight	14.5 kDa (134 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
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	<p>Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP18710527</p>
Regulatory	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

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