

Datasheet: PHP187

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

UniProt:

[P09382](#) [Related reagents](#)

Entrez Gene:

[3956](#) LGALS1 [Related reagents](#)

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, Gal-1 is important to primary sensory neurons and synaptic connections in the spinal cord, during embryonic development.

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 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.

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 #10527 available at:
<https://www.bio-rad-antibodies.com/SDS/PHP187>
10527

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
'M415837:230113'

Printed on 25 Mar 2023

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