

GALECTIN-1 Active Protein | LGALS1 active protein

RECOMBINANT HUMAN GALECTIN-1

CATALOG # AAA50540	APPLICATIONS Western Blot, Functional Assay, ELISA
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PRODUCT SYNONYMS

GALECTIN-1; RECOMBINANT HUMAN GALECTIN-1; LGALS1 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	>98% by SDS PAGE/HPLC analysis
Form/Format	Purified recombinant protein - lyophilized; 10mM Sodium phosphate pH7.5
Concentration	Total protein concentration 0.1 mg/ml after reconstitution (varies by lot)
Sequence Length	135
Applicable Applications for LGALS1 active protein	WB (Western Blot), FA (Functional Assay), ELISA
Reconstitution	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. AAA Biotech recommends 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 E Coli.
Endotoxin Level	< 1 EU/ug
Activity	Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 ug/ml with a peak response obtained at 250 ug/ml.
Target Species	Human
Preparation and 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.

ADDITIONAL INFORMATION

Related Product Information for LGALS1 active protein	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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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1

NCBI GenBank Nucleotide #	NM_002305.3
UniProt Accession #	P09382 ; Q9UDK5 ; B2R5E8
Molecular Weight	14.5 kDa (134 amino acid residues)
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1; 14 kDa laminin-binding protein; 14 kDa lectin; HBL; HLBP14; HPL; S-Lac lectin 1; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding protein 14kDa; gal-1; galaptin; galectin 1; lactose-binding lectin 1; putative MAPK-activating protein PM12
UniProt Protein Name	Galectin-1
UniProt Gene Name	LGALS1
UniProt Synonym Gene Names	Gal-1; HLBP14
UniProt Entry Name	LEG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/galectin-1/50540>