

Product datasheet for **PP1223P1**

Galectin 1 (LGALS1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect Human Galectin-1 (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human Galectin-1 (PP1223B1 and PP1223B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Galectin-1. Western Blot: To detect Human Galectin-1 by this analysis, the antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hGalectin-1 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	<i>E. Coli</i> derived Recombinant Human Galectin-1.
Specificity:	Recognizes Galectin-1
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human Galectin-1 matrix.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	galectin 1
Database Link:	Entrez Gene 3956 Human P09382



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- Background:** The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin 1 may act as an autocrine negative growth factor that regulates cell proliferation. It also may regulate cell apoptosis and cell differentiation. It binds beta-galactoside, CD45, CD3 and CD4. Galectin 1 inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. It is found in cardiac, smooth, and skeletal muscle, neurons, thymus, kidney, placenta and hematopoietic cells.
- Synonyms:** LGALS1, Galectin1, Lectin galactoside-binding soluble 1, Beta-galactoside-binding lectin L-14-I, Lactose-binding lectin 1, S-Lac lectin 1, Galaptin, 14 kDa lectin, HPL, HBL, MAPK-activating protein PM12
- Note:** **Molecular Weight:** ~150 kDa