

## LGALS1

### Rabbit Anti-Human Galectin-1 Affinity Purified pAb

<b>Catalog No.</b>	PA0214	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	Galectin-1, Gal-1, 14 kDa laminin-binding protein, HLBP14, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1		
<b>Description:</b>	Galectin-1, also known as L14, BHL and galaptin, is a monomeric or homodimeric prototype galectin that is expressed in a variety of cells and tissues including muscle, heart, liver, prostate, lymph nodes, spleen, thymus, placenta, testis, retina, macrophages, B cells, T cells, dendritic cells, and tumor cells. It preferentially binds laminin, fibronectin, 90K/Mac2BP, CD45, CD43, CD7, CD2, CD3, and ganglioside GM1. Galectin-1 modulates cell growth and proliferation, either positively or negatively, depending on the cell type and activation status. It controls cell survival by inducing apoptosis of activated T cells and immature thymocytes. It modulates cytokine secretion by inducing Th2 type cytokines and inhibiting proinflammatory cytokine production. Galectin1 can also modulate cell-cell as well as cell-matrix interactions and depending on the cell type and developmental stage, promote cell attachment or detachment. Galectin-1 has immunosuppressive and anti-inflammatory properties and has been shown to suppress acute and chronic inflammation and autoimmunity. Human and mouse galectin1 share about 88% amino acid sequence similarity.		
<b>UniProt ID:</b>	P09382		
<b>Gene ID:</b>	3956		
<b>Specificity:</b>	Human Galectin-1		
<b>Isotype:</b>	Rabbit IgG		
<b>Immunogen:</b>	Recombinant human Galectin-1, highly pure >98%		
<b>Formulation:</b>	Lyophilized from PBS, pH 7.2		
<b>Purification:</b>	Antigen-affinity chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with sterile distilled water to a concentration of 0.1 - 1.0 mg/mL.		
<b>Applications:</b>	<p><b>Western blot:</b> Suggested concentration of 0.1-0.2 µg/ml to detect 1.5-3.0 ng/ lane, under reducing or non-reducing conditions.</p> <p><b>Sandwich ELISA:</b> Suggested concentration of 0.5-2.0 µg/ml to detect 2-4 ng/well of recombinant human Galectin-1, with 100 µl/well.</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
<b>Storage &amp; Stability:</b>	Upon receipt, store at -20°C to -80°C for up to one year. Upon reconstitution, store at 2 -8°C for 2 weeks. For long term storage, prepare working aliquots, store at -20°C to -80°C for at least 6 months. <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

