

Datasheet for ABIN7505372

Galectin 3 Protein (LGALS3) (AA 2-264) (His tag)



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Overview

Quantity:	100 µg
Target:	Galectin 3 (LGALS3)
Protein Characteristics:	AA 2-264
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Galectin 3 protein is labelled with His tag.
Application:	Immunogen (Imm)

Product Details

Sequence:	Ala2-Ile264
Characteristics:	A DNA sequence encoding the Mouse Galectin-3/Lgals3 protein (P16110) (2A-264I) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	Galectin 3 (LGALS3)
Alternative Name:	Galectin-3 (LGALS3 Products)
Target Type:	Chemical
Background:	Abbreviation: Galectin-3,Lgals3

Target Details

Target Synonym: 35 kDa lectin, Carbohydrate binding protein 35, CBP35, GAL3, GALBP, GALIG, GBP, Gal-3, IgE binding protein, LGALS2, Macrophage galactose-specific lectin, Lectin L-29, Mac-2 antigen

Background: Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes.

Molecular Weight: Calculated MW: 27.4 kDa
Observed MW: 31-33 kDa

UniProt: [P16110](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: used as Immunogen for (ABIN6999921, ABIN7234295, ABIN7234296 and ABIN7234297)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months