Datasheet for ABIN7454124

Galectin 3 Protein (LGALS3) (AA 2-248) (His tag)

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Overview

Quantity:	100 µg
Target:	Galectin 3 (LGALS3)
Protein Characteristics:	AA 2-248
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Galectin 3 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Galectin 3 Protein
Sequence:	Ala2-Ile248
Characteristics:	Recombinant Cynomolgus Galectin 3 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Ala2-Ile248.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus Galectin 3, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Galectin 3 Antibody, hFc Tag with the EC50 of 38.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Galectin 3 (LGALS3)
Alternative Name:	Galectin 3 (LGALS3 Products)
Target Type:	Chemical
Background:	Galectin-3, also known as Mac-2, L29, CBP35, and epsilon BP, is classified as a chimeric member of the Galectin superfamily and contains one carbohydrate recognition domain (CRD) linked to a nonlectin domain.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 (By similarity).
Molecular Weight:	27.05 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005561371
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM Hepes, 150 mM NaCl, 200 mM L-arginine, 2 mM Tcep (pH 6.5).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM Hepes, 150 mM NaCl, 200 mM L-arginine, 2 mM Tcep (pH 6.5). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months