Datasheet for ABIN1589772

LGALS1/Galectin 1 Protein

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Overview

Quantity:	50 µg
Target:	LGALS1/Galectin 1 (LGALS1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Galectin-1
Sequence:	ACGLVASNLN LKPGECLRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPF QPGSVAEVCI T FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC VAFDLEHHHH HH
Specificity:	Chromosomal location:22q13.1
Characteristics:	Length (aa):142
Purity:	> 98 % by SDS-PAGE and visualized by Coomassie stain

Target Details

Target:	LGALS1/Galectin 1 (LGALS1)
Alternative Name:	Galectin-1 (LGALS1 Products)
Background:	Lectins, of either plant or animal origin, are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties. Galectin-1 is an animal lectin that has

Target Details

	been shown to interact with CD3, CD4, and CD45. It induces apoptosis of activated T-cells and T-leukemia cell lines and inhibits the protein phosphatase activity of CD45. Recombinant human Galectin-1 is a 14.5 kDa protein containing 134 amino acid residues. Synonyms: LGALS1, GBP, GAL1
Molecular Weight:	14,5 kDa
Gene ID:	3956
NCBI Accession:	NM_002305, NP_002296
UniProt:	P09382
Pathways:	Carbohydrate Homeostasis

Application Details

Comment:	Cytokines & Growth Factors
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Human Galectin-1 should be reconstituted in water to a concentration of 0.1 mg/mL. This solution can be diluted in water or other buffer solutions or stored at -20 °C.
Buffer:	PBS
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	RT,0 °C,-20 °C
Storage Comment:	The lyophilized human Galectin-1, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted human Galectin-1 should be stored in working aliquots at -20°C.