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Datasheet for ABIN7318515 Galectin 9 Protein (His tag)

Overview

Quantity:	50 µg
Target:	Galectin 9 (LGALS9)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Galectin 9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Galectin 9/LGALS9 Protein (His Tag)(Active)
Sequence:	Met 1-Thr323
Characteristics:	Recombinant Human Galectin 9 is produced by our Mammalian expression system and the target gene encoding Met1-Thr323 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human Galectin 9-His at 10µg/ml(100 µl/well) can bind Cynomolgus TIM-3-His(Cat: PKSQ050023). The ED50 of Human Galectin 9-His is 1.75 ug/ml .

Target Details

Target:	Galectin 9 (LGALS9)
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Target Details

Alternative Name:	Galectin 9/LGALS9 (LGALS9 Products)
Background:	<p>Background: Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkin's disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and Inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin $\alpha 4\beta 1$.</p> <p>Synonym: Galectin-9, Gal-9, Ecalectin, Tumor Antigen HOM-HD-21, LGALS9</p>
Molecular Weight:	36.9 kDa

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS,5 % Trehalose,1 mM EDTA, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>