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Datasheet for ABIN2192096  
**anti-LGALS8 antibody**

2 Publications

Overview

Quantity:	100 µg
Target:	LGALS8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LGALS8 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func), Immunoassay (IA)

Product Details

Clone:	106-1
Isotype:	IgG2a, IgG2b
Cross-Reactivity (Details):	Cross reactivity: Rat : Yes
Sterility:	0.2 µm filtered

Target Details

Target:	LGALS8
Alternative Name:	Galectin-8 ( <a href="#">LGALS8 Products</a> )
Background:	<p>Galectins are animal lectins that can specifically bind beta-galactosides. Thirteen galectins have already been described, belonging to three different groups: prototype, tandem-repeat and chimeric. Galectins are involved in cellular interactions and neoplastic transformations.</p> <p>Galectin-8, is a 34 kDa protein made of tandem-repeat carbohydrate recognition domains</p>

## Target Details

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(CRDs), joined by a 'link' peptide. Structurally, galectin-8 belongs to the tandem-repeat type galectins. The galectin-8 gene (LGALS8) encodes numerous mRNAs by alternate splicing and the presence of three unusual polyadenylation signals. These mRNAs could encode for six isoforms of galectin-8, of which three belong to the tandem-repeat galectin group (with two carbohydrate binding domains) and the three others to the prototype group (one carbohydrate binding domain). Galectin-8, like other galectins, is a secreted protein. Upon secretion galectin-8 acts as a physiological modulator of cell adhesion. When immobilized, it functions as a matrix protein equipotent to fibronectin in promoting cell adhesion by ligation and clustering of a selective subset of cell surface integrin receptors. Although galectin-8 is a fairly abundant protein, it is not ubiquitously expressed. It shows a micro-clustering pattern reminiscent of that seen with proteins associated with mitochondria, the Golgi or trans-Golgi membranes. Studies of galectin-8 revealed that galectin-8 positively or negatively regulates cell adhesion, depending on the extracellular context. Cell adhesion to galectin-8 triggers integrin-mediated signalling cascades such as Tyr phosphorylation of FAK and paxillin. Galectin-8 is widely expressed in normal tissues (brain, breast, colon, retina, kidney, pancreas, placenta, spleen, testis, uterus, vascular, esophagus and heart) as well as in tumor tissues (brain, breast, colon, germ cells, head and neck, kidney, muscles, ovary, pancreas, thyroid, placenta, prostate, uterus, lung, stomach and esophagus). Aliases Gal-8, PCTA1, PCTA-1, Po66-CBP, LGALS8 Immunogen recombinant rat Galectin-8

## Application Details

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**Application Notes:** For Flow cytometry and Functional Studies dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. For functional studies, in vitro dilutions have to be optimized in user's experimental setting.

**Restrictions:** For Research Use only

## Handling

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**Buffer:** PBS, containing 0.1 % bovine serum albumin.

**Storage:** 4 °C

**Storage Comment:** Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

## Publications

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- Product cited in: Feucht, Schneeberger, Hillebrand, Burkhardt, Weiss, Riethmüller, Land, Albert: "Capillary deposition of C4d complement fragment and early renal graft loss." in: **Kidney international**, Vol. 43, Issue 6, pp. 1333-8, (1993) ([PubMed](#)).
- Zwirner, Felber, Herzog, Riethmüller, Feucht: "Classical pathway of complement activation in normal and diseased human glomeruli." in: **Kidney international**, Vol. 36, Issue 6, pp. 1069-77, (1990) ([PubMed](#)).