



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone (800) 325-5832 (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

Galectin-8

Rat, recombinant, expressed in *E. coli*

Product Number **G 3670**

Store at -20 °C

Product Description

Galectin-8 is a family member of animal lectins, which selectively binds β -galactoside residues. It is a widely expressed as a 34 kDa protein, which is secreted by many cell types. Galectin-8 is made of two homologous regions, each having a single carbohydrate recognition domain (CRD) linked by a short peptide. Galectin-8 acts as a physiological modulator of cell adhesion and cellular growth, and may be involved in neoplastic transformation.¹⁻³

Reagent

The product is supplied as a solution containing 20 mM Tris, pH 7.4, 1 mM DTT, 1 mM EDTA, and 30% glycerol (w/v).

Purity: Minimum 90% (SDS-PAGE)

The protein concentration of every lot is detailed on the label.

Precautions and Disclaimer

This product is for laboratory research use only, not for drug, household, or other uses. Please refer to the Material Safety Data Sheet (MSDS) for information regarding hazards and safe handling practices.

Storage/Stability

The product is shipped on dry ice and should be stored at -20 °C.

Product profile

Activity: measured by its ability to agglutinate human red cells.

Minimum agglutination titer (MAT): 2-20 μ g/mL

References:

1. Levy, Y., Arbel-Goren, R., Hadari, Y.R., Eshhar, S., Ronen, D., Elhanany, E., Geiger, B., and Zick, Y., Galectin 8 functions as a matricellular modulator of cell adhesion. *J. Biol. Chem.*, **17**, 31285-31295 (2001).
2. Hadari, Y.R., Arbel-Goren, R., Amsterdam, A., Alon, R., Zakut, R., Zick, Y., Galectin 8 binding to integrins inhibits cell adhesion and induces apoptosis. *J. Cell Sci.*, **113**, 2385-2397 (2000).
3. Camby, I., Belot, N., Rorive, S., Lefranc, F., Maurage, C.A., Lahm, H., Kaltner, H., Hadari, Y., Ruchoux, M.M., Brotchi, J., Zick, Y., Salmon, I., Gabius, H.J., and Kiss, R., Galectins are differentially expressed in supratentorial pilocytic astrocytomas, astrocytomas, anaplastic astrocytomas, and glioblastomas and significantly modulate tumor astrocyte migration. *Brain Pathol.*, **11**, 12-26 (2001).

KAA/EB 07/05

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.