



GRIFFONIA SIMPLICIFOLIA LECTIN I (GSL I) ISOLECTIN B4, UNCONJUGATED

SKU: L-1104-1



DESCRIPTION

GSL I-B4 isolectin contains only the B subunits. It is a useful marker for endothelial cells from nonprimates such as mouse, rat, rabbit, and goat as well as a marker for non-peptidergic unmyelinated primary afferent neurons. This “B”-rich lectin preferentially agglutinates blood group B cells and is specific for α -galactose residues.

SPECIFICATIONS

Molecular Weight	114
Extinction Coefficient	1.4
Inhibiting or Eluting Sugar	Galactose
Unit Size	1 mg
Storage Instructions	2-8 °C

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Sugar Specificity	Terminal α Gal
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl ₂ is recommended. For preserving solutions, stored at 4 °C, 0.08% sodium azide can be used.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology
Conjugate	Unconjugated

TECHNICAL INFORMATION

GSL I is a family of glycoproteins with molecular weights of approximately 114 kDa. There are two types of subunits, termed A and B, with slightly different molecular weights. These subunits combine to form tetrameric structures, resulting in five isolectins. The A -rich lectin preferentially agglutinates blood group A erythrocytes and thus appears to be specific for α -N-acetylgalactosamine residues, while the B -rich lectin preferentially agglutinates blood group B cells and is specific for α -galactose residues. Our GSL I is a mixture of the five isolectins. GSL I has been reported to bind several glycoproteins including laminin.

Inhibiting Sugar: 500 mM galactose or 100 mM raffinose

CITATIONS



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DOCUMENTS

- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

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GALLERY IMAGES



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[Griffonia Simplicifolia Lectin I \(GSL I\) isolectin B4, Unconjugated](https://vectorlabs.com/products/unconjugated-gsl-i-isolectin-b4/)

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