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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 αGal
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 CaCl2is recommended.For preserving solutions, stored at 4 ºC, 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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