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GRIFFONIA (BANDEIRAEA) SIMPLICIFOLIA LECTIN I (GSL I, BSL I), UNCONJUGATED

SKU: L-1100-5



DESCRIPTION

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.

SPECIFICATIONS

Molecular Weight	114
Extinction Coefficient	1.4

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

Inhibiting or Eluting Sugar	Raffinose
Unit Size	5 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal αGal and terminal αGalNAc
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, we recommend 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2.For preserving solutions stored at 4 ºC, add 0.08% sodium azide to the buffer. For dissolving the lectin, we recommend adding the lectin slowly to buffer rather than adding the buffer to the lectin.Allow the lectin to dissolve without vigorous agitation.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology
Conjugate	Unconjugated

TECHNICAL INFORMATION

Inhibiting/Eluting Sugar: mixture of 200 mM galactose/200 mM *N*-acetylgalactosamine

CITATIONS

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DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

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