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

SKU: FL-1101



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.

Fluorescein labeled GSL I has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

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SPECIFICATIONS

Molecular Weight	114
Color of Fluorescence	Green
Extinction Coefficient	1.4
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2
Inhibiting or Eluting Sugar	Raffinose
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg, 5 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal αGal and terminal αGalNAc
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence
Concentration	FL-1101-2 (2 mg active conjugate/ml)FL-1101-5 (5 mg active conjugate/ml)
Conjugate	Fluorescein

TECHNICAL INFORMATION

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

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

CITATIONS

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DOCUMENTS

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

GALLERY IMAGES





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