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

SKU: FL-1211-2



DESCRIPTION

This lectin is a dimeric glycoprotein composed of two subunits of nearly identical size with each subunit having disulfide-linked chains and a binding site for α- or β-linked *N*-acetylglucosamine residues. Unlike other N-acetylglucosamine specific lectins, increasing the number of *N*-acetylglucosamine residues beyond two does not improve affinity. GSL II has been reported to be unique in its ability to recognize exclusively α- or β-linked *N*-acetylglucosamine residues on the nonreducing terminal of oligosaccharides.

Fluorescein labeled GSL II 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	113
Color of Fluorescence	Green
Extinction Coefficient	1.25
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2, 5mM N-Acetylglucosamine
Inhibiting or Eluting Sugar	GlcNAc
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg
Storage Instructions	2-8°C
Sugar Specificity	Terminal GlcNAc-β, Chitin oligomers, and terminal GlcNAc-a
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 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: Chitin Hydrolysate or 200 mM *N*-acetylglucosamine

CITATIONS

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DOCUMENTS

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

GALLERY IMAGES



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