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

SKU: B-1215-2



DESCRIPTION

Griffonia (Bandeiraea) Simplicifolia Lectin II 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.

Biotinylated GSL II has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

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SPECIFICATIONS

Molecular Weight	113
Extinction Coefficient	1.25
Inhibiting or Eluting Sugar	GlcNAc
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Terminal GlcNAc-β, Chitin oligomers, and terminal GlcNAc-a
Usage Summary	Reconstitute biotinylated lectin by addition 1 ml of water.The resulting solution will have the following composition:10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl2, 10 mM N-Acetylglucosamine.For most applications, we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Conjugate	Biotinylated

TECHNICAL INFORMATION

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting/Eluting Sugar: Chitin Hydrolysate or 200 mM *N*-acetylglucosamine

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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