www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SOLANUM TUBEROSUM (POTATO) LECTIN (STL, PL), BIOTINYLATED

SKU: B-1165-2



DESCRIPTION

This lectin binds oligomers of *N*-acetylglucosamine and some bacterial cell wall oligosaccharides containing *N*-acetylglucosamine and *N*-acetylmuramic acid. Although the carbohydrate binding specificity is similar to wheat germ agglutinin and *Datura stramonium* lectin, several differences have been reported for potato lectin.

Biotinylated *Solanum tuberosum* lectin 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.

SPECIFICATIONS

Molecular Weight	100

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Extinction Coefficient	0.8
Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl2, 20 mM N-acetylglucosamine.
Inhibiting or Eluting Sugar	Chitin Hydrolysate
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Internal linear type 2 LacNAc, Chitin oligomers and type 2 LacdiNAc
Usage Summary	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
Concentration	2 mg active conjugate/ml
Conjugate	Biotinylated

TECHNICAL INFORMATION

Solanum tuberosum lectin consists of two identical 50 kDa subunits. The subunits can dissociate in solution to produce a monomeric form of the lectin which does not agglutinate cells.

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

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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