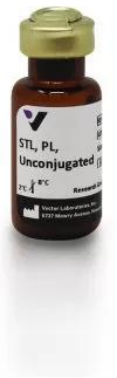
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Telephone: (650) 697-3600

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

SKU: L-1160-5



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.

SPECIFICATIONS

Molecular Weight	100
Extinction Coefficient	0.8
Inhibiting or Eluting Sugar	Chitin Hydrolysate
Unit Size	5 mg

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

Storage Instructions	2-8 °C; for long term storage, aliquots may be stored frozen or preserved with 0.08% sodium azide in the recommended buffer and stored at 2-8 °C
Sugar Specificity	Internal linear type 2 LacNAc, Chitin oligomers and type 2 LacdiNAc
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended.
Applications	Glycobiology
Conjugate	Unconjugated

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 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.

Inhibiting/Eluting Sugar: Chitin Hydrolysate

CITATIONS

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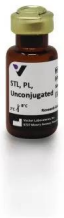
DOCUMENTS

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

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