



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 CaCl ₂ is 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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GALLERY IMAGES



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[Solanum Tuberosum \(Potato\) Lectin \(STL, PL\), Unconjugated](https://vectorlabs.com/products/unconj-solanum-tuberosum-potato-lectin-stl-pl/)

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