Native Potato Solanum tuberosum Lectin (STA/STL)

Cat. No. STA/STL-711P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Potato Solanum tuberosum Lectin (STA/STL) - Pure Blood Group Specificity: Non-specific Preferred Sugar Specificity: (N-Acetylglucosamine)2-4 Inhibiting or Eluting Sugar: Chitin Hydrolysate Divalent Ions: None Required Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	Potato
Source	Potato
Description	Affinity purified Solanum tuberosum lectin/agglutinin (STA/STL) is a hydroxyproline-rich glycoprotein. This lectin contains 50% carbohydrates, predominantly arabinose; and consists of two subunits. STA/STL binds oligomers of N-acetylglucosamine and some bacterial cell wall oligosaccharides containing N-acetylglucosamine and N-acetylmuramic acid. N-acetyllactosamine is a relatively weak inhibitor of hemagglutination induced by this lectin; though, it does not have a blood group specificity. Solanum tuberosum lectin has been shown to bind two and a half times more to colon cancer cells than normal tissue.
Form	Lyophilized
Molecular Mass	100 kDa

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Purity	Affinity purified
Applications	Immunohistochemical studies, Staining of prostate cancer cell line, Bacterial cell wall binding
Storage	At -20 centigrade.

GENE INFORMATION

Official Symbol	STA/STL
Synonyms	Solanum tuberosum Lectin; STA/STL

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