

Native Garlic *Allium sativum* Lectin (ASA), FITC-Conjugated

Cat. No. ASA-294G **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Native Garlic *Allium sativum* Lectin (ASA) - FITC (Fluorescein)
 Blood Group Specificity: Non-specific
 Preferred Sugar Specificity: Mannose
 Inhibiting or Eluting Sugar: $\alpha(1,3)$ -Linked Mannosyl Units
 Divalent Ions: None Required
 Excitation: 495 nm
 Emission: 515 nm
 Hazardous Shipping: Non-hazardous
 Fluorescence: Green

Species Garlic

Source Garlic

Description

Allium sativum lectin (ASA) is purified first with affinity chromatography and then with gel filtration. It is a dimer of two subunits. The lectin recognizes internal mannose and binds to the core pentasaccharide of N-linked glycans. In addition, the removal of sialic acids enhances binding activity. *Allium sativum* Lectin (ASA) is labeled with fluorescein isothiocyanate (FITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. FITC conjugates have been used in a variety of immunohistochemical and flow cytometry applications. Fluorescein conjugates display a high rate of photobleaching, signal is sensitive to pH changes, broad fluorescence emission spectrum, and fluorescence quenching on conjugation to biopolymers.

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Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	2 mg/mL
GENE INFORMATION	
Official Symbol	ASA
Synonyms	Allium sativum Lectin; ASA

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