

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

Cat. No. ASA-253G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Garlic <i>Allium sativum</i> Lectin (ASA) - Ferritin Blood Group Specificity: Non-specific Preferred Sugar Specificity: Mannose Inhibiting or Eluting Sugar: $\alpha(1,3)$-Linked Mannosyl Units Divalent Ions: None Required Hazardous Shipping: Non-hazardous
Species	Garlic
Source	Garlic
Description	<i>Allium sativum</i> lectin (ASA) is purified first with affinity chromatography and then with gel filtration. 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. <i>Allium sativum</i> Lectin (ASA) is conjugated to ferritin, that has a molecular weight of 474,000 g/mol (all 24 subunits combined). Ferritin-conjugated lectins can be used to visualize localization of specific saccharide moieties and examine the distribution of plasma membrane glycoproteins. These conjugates can be viewed via electron microscopy.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year

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Storage	At 2-8 centigrade.
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Concentration	1 mg/mL
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GENE INFORMATION

Official Symbol	ASA
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Synonyms	Allium sativum Lectin; ASA
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