

Native Soybean Glycine max Lectin (SBA), TRITC-Conjugated

Cat. No. SBA-492S **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Native Soybean Glycine max Lectin (SBA) - TRITC (Rhodamine)
 Blood Group Specificity: Non-specific
 Preferred Sugar Specificity: α -N-Acetylgalactosamine > β -N-Acetylgalactosamine
 Inhibiting or Eluting Sugar: N-Acetylgalactosamine
 Divalent Ions: Ca⁺⁺, Mn⁺⁺
 Excitation: 545-555 nm
 Emission: 570-580 nm
 Mitogenic Activity: Yes
 Hazardous Shipping: Non-hazardous
 Fluorescence: Orange

Species Soybean

Source Soybean

Description

Glycine max agglutinin (SBA) is isolated and purified by affinity chromatography. It consists of four subunits of identical size. SBA has specificity for blood groups A1, A2, and B, and interacts better with neuramidase-treated cells than untreated cells. This lectin has selective affinity for lymphocytes and human CD34⁺ hematopoietic stem cells. Immobilized conjugates of SBA are important tools for removing T-cells in bone marrow transplants. Glycine max (Soybean) Lectin (SBA) is labeled with tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. TRITC is a bright orange or red-fluorescent dye with excitation ideally suited to the

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532-nm laser line. TRITC labeled SBA can be used for cellular imaging applications.

Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	5 mg/mL

GENE INFORMATION

Official Symbol	SBA
Synonyms	Glycine max Lectin; SBA

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