

Native Soybean Glycine max Lectin (SBA), Cy5-Conjugated

Cat. No. SBA-213S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Soybean Glycine max Lectin (SBA) - Cy5
	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: 650 nm
	Emission: 670 nm
	Mitogenic Activity: Yes
	Hazardous Shipping: Non-hazardous
	Fluorescence: Red

Species	Soybean
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Source	Soybean
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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. Cy5, when bound to Glycine max (Soybean) Lectin (SBA), can show the binding pattern of this lectin in cellular imaging and flow cytometry. The excitation wavelength required for Cy5 to fluoresce is high enough to avoid overlap with most other fluorochromes, making it useful for dual-labeling experiments.
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Because of this high excitation, there is typically less background from autofluorescence of biological specimens.

Form	Liquid
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.

Concentration	1 mg/mL
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GENE INFORMATION

Official Symbol	SBA
Synonyms	Glycine max Lectin; SBA

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