Soybean Agglutinin Lectin

PRODUCT OVERVIEW

Product Name	Soybean Agglutinin, Lectin
Full Product Name	Soybean Agglutinin (SBA, Glycine max) (FITC)
Form/Format	Supplied as a liquid in 10mM HEPES, 0.15M sodium chloride, pH 7.5, 0.08% sodium azide, 0.1mM Ca++. Labeled with Fluorescein.
Purity/Purification	Molecular Biology Grade
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 6 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Emission	515nm
Excitation	495nm
F/P (molar)	4.9
Inhibiting/Eluting Sugar	200mM N-acetylgalactosamine
Product Categories/Family for Soybean Agglutinin lectin	Lectins; Lectin Glycine max
Applications Tested/Suitable for Soybean Agglutinin lectin	ELISA (EL/EIA)
Application Notes for Soybean Agglutinin lectin	Suitable for use in ELISA.
Related Product Information for Soybean Agglutinin lectin	Composed of four subunits of approximately equal size, soybean agglutinin is a family of closely related isolectins. This glycoprotein has a molecular weight of about 120,000 and an isoelectric point near pH 6.0. SBA preferentially binds to oligosaccharide structures with terminal a- or b-linked N-acetylgalactosamine, and to a lesser extent, galactose residues. Binding can be blocked by substitutions on penultimate sugars, such as fucose attached to the penultimate galactose in blood group B substance. SBA has been used in glycoprotein fractionation, histochemical applications and cell sorter analysis. An important application for SBA is the separation of pluripotential stem cells from human bone marrow. Cells fractionated by SBA do not produce graft vs host disease and can be used in bone marrow transplantation across histocompatibility barriers. It should be noted that some forms of SBA seem to be excellent in separating human cells while others are better for cells of other species. Fluorescein labeled Soybean Agglutinin is produced by using the highest quality fluorescein isothiocyanate, our affinity-purified lectin, and special conjugation procedures. Fluorescein labeled Soybean Agglutinin has an appropriate number of fluorochromes bound which provide the maximum fluorescence and optimum staining characteristics for this particular lectin. This lectin is supplied essentially free of unconjugated fluorochromes and inactive lectin.
Other Notes	Small volumes of Soybean Agglutinin lectin vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Soybean Agglutinin purchase	MBS656022 is a lectin targeting Soybean Agglutinin. Also known as Soybean Agglutinin (SBA, Glycine max) (FITC).

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Online datasheet: https://www.mybiosource.com/lectin/soybean-agglutinin/656022