

Soybean Agglutinin (SBA), Fluorescein

Cat *PL00683*

Size *2 mg*

Sugar Specificity

Galactose, N-Acetylgalactosamine

Description

SBA preferentially binds to oligosaccharide structures of n-acetylgalactosamine with alpha - or beta - junctions at the end, and to a lesser extent to galactose residues. Binding can be prevented by substitution on the second-to-last sugar, such as the focal point attached to the second-to-last galactose in the type B blood substance. Fluorescein-labeled soybean lectins bind appropriate amounts of fluorescent pigments to provide the best staining properties for the lectins. This conjugated substance basically does not contain unconjugated fluorescent dyes. The excitation maximum is 495nm and the emission maximum is 515nm.

Conjugate

Fluorescein

Concentration

2 mg active conjugate/ml

Sugar Specificity

Galactose, N-Acetylgalactosamine

Storage

2-8°C

Excitation

495-500 nm

Emission

514-521 nm

Fluorescence

Green

Application

Immunofluorescence, Glycobiology

Recommended dilution

The recommended concentration range for use is 5-20 µg/ml.

Solution

10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl₂

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