

Sambucus Nigra Lectin (SNA, EBL), Fluorescein

Cat PL00755

Size 2 mg

Sugar Specificity

Sialic Acid

Description

The black Sambucus nigra lectin isolated from the bark of elderberry preferentially binds to the terminal galactose-linked sialic acid in alpha-2,6, and alpha-2,3 chains. Lactose or galactose also inhibit binding to some extent. This lectin appears to bind to sialic acid to n-acetylgalactose, or galactose. It has been reported that SNA can inhibit the synthesis of cell-free proteins. Fluorescein-labeled lectins bind appropriate amounts of fluorescent dyes 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

5 mg active conjugate/ml

Sugar Specificity

Sialic Acid

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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