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SAMBUCUS NIGRA LECTIN (SNA, EBL), FLUORESCEIN

SKU: FL-1301-2



DESCRIPTION

Sambucus nigra lectin, isolated from elderberry bark, binds preferentially to sialic acid attached to terminal galactose in α-2,6 and to a lesser degree, α-2,3 linkage. Binding is also inhibited to some extent by lactose or galactose. This lectin appears to bind sialic acid linked to *N*-acetylgalactosamine or galactose. SNA has been reported to inhibit cell-free protein synthesis.

Fluorescein labeled *Sambucus nigra* lectin has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

SPECIFICATIONS

Molecular Weight	140
Color of Fluorescence	Green

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Extinction Coefficient	1.5
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide. 0.1 mM CaCl2
Inhibiting or Eluting Sugar	Lactose or Neuraminidase treatment
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg
Storage Instructions	2-8°C
Sugar Specificity	α2,6-sialylated LacNAc and α2,6-sialylated LacdiNAc
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Fluorescein

TECHNICAL INFORMATION

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

Elution: 500 mM lactose in buffered saline followed by 500 mM lactose in acetic acid

CITATIONS

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DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

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