

Revised: September 16, 2024

Product Information

Sambucus Nigra Lectin (SNA, EBL)

See product page for a full list of product names and catalog numbers.

Unit Size: 1 mL

Storage and Handling

Store at 4°C, protected from light. Product is stable for at least 12 months from date of receipt when stored as recommended.

Conjugate Composition

These conjugates are provided at a concentration of 1 mg/mL. The storage buffer contains 10 mM HEPES, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl₂ (pH 7.5).

Product Technical Information

See product page for spectral properties and other dye-specific technical information. See our Spectra Viewer to view and download the dye excitation and emission spectra.

Product Description

Sambucus nigra lectin, also known as elderberry bark lectin (EBL) and Sambucus nigra agglutinin (SNA), belongs to the group of type 2 ribosome-inactivating proteins. It is composed of an A-chain with enzymatic activity and a B-chain with carbohydrate-binding activity, and has a combined molecular weight of

~140,000 Da. SNA binds preferentially to sialic acid attached to terminal galactose in α -2,6 and to a lesser degree, α -2,3 linkage. SNA can induce apoptosis in insect cells and cultured mammalian cell cancer cells. This effect depends on the carbohydrate binding of the B-chain.

Sambucus nigra lectin is available conjugated to biotin and a selection of bright and photostable CF® Dyes. CF® Dyes are Biotium's line of next-generation fluorescent dyes with advantages in brightness, photostability, and conjugate specificity compared to other fluorescent dyes.

Experimental Protocols

Sambucus nigra lectin conjugate applications are reported in published literature. We recommend consulting the literature to find a protocol that will be suitable for your application. For immunofluorescence of tissue sections, we recommend staining with 5 ug/mL lectin conjugate in PBS for 15 minutes, followed by washing in PBS as a starting point for optimization.

Related Products

00070- 00079 00079 00079 29015 29080 CF® Dye Concanavalin A (Con A) 29060- 29063 29096- 29101 Datura Stramonium Lectin (DSL) 29102- 29107 Lycopersicon Esculentum (Tomato) Lectin (LEL, TL) 29021- 29076 Wheat Germ Agglutinin (WGA) Conjugates 29113 Ulex Europaeus Agglutinin I (UEA I) 29114- 29119 29114- 29119 2021- 30021- 30024 CellBrite® Cytoplasmic Membrane Dyes 30088- 30090 30105- 30109 30105- 30109 MemBrite® Fix Membrane Staining Kits 30092- 30104 Wheat Serd Membrane Staining Kits 40083 41040 Vulca Steady Membrane Staining Kits 40083 41040 DAPI, 10 mg/mL in Water 40043 DAPI, 10 mg/mL in Water 40046 Hoechst 33342, 10 mg/mL in Water 30131- 30135 CF® Dye Tyramides 22027 Ready-to-Use Tyramide Amplification Buffer	Cat. No.	Product
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30135 CytoLiner Fixed Cell Membrane Stains 92170- 96066 CF® Dye Tyramides	40046	Hoechst 33342, 10 mg/mL in Water
96066 CF® Dye Tyramides		CytoLiner™ Fixed Cell Membrane Stains
22027 Ready-to-Use Tyramide Amplification Buffer	1	CF® Dye Tyramides
	22027	Ready-to-Use Tyramide Amplification Buffer

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