

Active Native Sambucus Nigra Lectin Protein

Cat. No. Lectin-1745S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Sambucus Nigra Lectin and has sugar specificity against Sialic Acid.
Species	Sambucus nigra
Source	Sambucus nigra
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 does not appear to bind sialic acid linked to N-acetylgalactosamine. SNA has been reported to inhibit cell-free protein synthesis.
Bio-activity	Elution: 500 mM lactose in buffered saline followed by 500 mM lactose in acetic acid. Binding inhibitors: Fetuin, human transferin, bovine submaxillary mucin, porcine thyroglobulin, 6' sialylactose, 500 mM lactose.
Molecular Mass	140 kDa
Applications	Glycobiology
Storage	Refrigerate in the dark.
Reconstitution	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 7.5 - 8.5, 0.1 mM Ca ²⁺ is recommended. For

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preserving solutions stored at 4 centigrade, 0.08% sodium azide can be used.

GENE INFORMATION

Synonyms	Lectin; SNA; EBL
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UniProt ID	O04366
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