



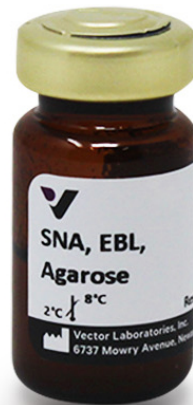
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# Sambucus Nigra Lectin (SNA, EBL), Agarose bound

## AL-1303-2

[Product Images](#)

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## Short Description

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Agarose bound *Sambucus nigra* lectin is prepared using our affinity-purified lectins. *Sambucus nigra* lectin, isolated from elderberry bark, binds preferentially to sialic acid attached to terminal galactose in  $\alpha$ -2,6 and to a lesser degree,  $\alpha$ -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.

### Features:

- Bead diameter ranges in size from 45-165 microns
- Matrix is stable in solutions at pH 3-11 as well as many organic solvents
- Immobilized lectins are prepared using affinity purified lectins
- Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
- Hydrophilic spacer arm is inserted between the lectin and the matrix
- Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
- No residual charges present after conjugation. This minimizes non-specific binding to the matrix
- Product supplied as a 1:1 suspension in buffer
- 3 mg lectin/ml gel
- 500 mM lactose in buffered saline followed by 500 mM lactose in acetic acid or Glycoprotein Eluting Solution (ES-7100)

## Additional Information

Unit Size	2 ml
Applications	Glycobiology, Affinity Chromatography
Recommended Storage	2-8 °C DO NOT FREEZE
Solution	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.1 mM CaCl <sub>2</sub> , 0.08% sodium azide, 20 mM lactose
Recommended Usage	Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting Solution, Cat. No. ES-7100. Alternatively, 0.5 M lactose in buffered saline followed by 0.5 M lactose in 0.2 M acetic acid can be used. After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline, containing 0.08% sodium azide for storage.
Matrix Conjugate	Lectins
Sugar Specificity	Sialic Acid
Conjugate	Agarose

