



# **SAMBUCUS NIGRA LECTIN (SNA, EBL), BIOTINYLATED**

**SKU:** B-1305-2



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## **DESCRIPTION**

*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. SNA has been reported to inhibit cell-free protein synthesis.

Biotinylated *Sambucus nigra* lectin has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

Please note that SNL and SNA are equivalent. Historically, Vector Laboratories has used SNL as the acronym for *Sambucus Nigra* Lectin. SNA, reflective of *Sambucus Nigra* Agglutinin, is commonly used within the scientific community for this product, e.g., as shown for B-1305 on the NCFG website. Please contact us at [email protected] or at +1-800-227-6666 / +1-650-697-3600 should you have any questions regarding this matter.

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## SPECIFICATIONS

<b>Molecular Weight</b>	140
<b>Extinction Coefficient</b>	1.5
<b>Formulation</b>	10 mM HEPES, 015 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl <sub>2</sub> .
<b>Inhibiting or Eluting Sugar</b>	Lactose or Neuraminidase treatment
<b>Unit Size</b>	2 mg
<b>Storage Instructions</b>	2-8 °C; Store frozen for long term storage
<b>Sugar Specificity</b>	$\alpha$ 2,6-sialylated LacNAc and $\alpha$ 2,6-sialylated LacdiNAc For most applications, we recommend a freshly prepared working solution of 10 $\mu$ g/ml in the below buffer. A precipitate may form during storage. This does not have a significant adverse effect on the product. If a precipitate forms upon long-term storage, warm to 37 °C and centrifuge before use.
<b>Usage Summary</b>	
<b>Applications</b>	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
<b>Concentration</b>	2 mg active conjugate/ml
<b>Conjugate</b>	Biotinylated

## TECHNICAL INFORMATION

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

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

## CITATIONS

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## DOCUMENTS

- [Safety Data Sheet](#)
- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES



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