www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SAMBUCUS NIGRA LECTIN (SNA, EBL), BIOTINYLATED

SKU: B-1305-2



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.

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 or at +1-800-227-6666 / +1-650-697-3600 should you have any questions regarding this matter.

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SPECIFICATIONS

Molecular Weight	140
Extinction Coefficient	1.5
Formulation	10 mM HEPES, 015 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2.
Inhibiting or Eluting Sugar	Lactose or Neuraminidase treatment
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	α2,6-sialylated LacNAc and α2,6-sialylated LacdiNAc
Usage Summary	For most applications, we recommend a freshly prepared working solution of 10 µg/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 ºC and centrifuge before use.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	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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