

Sambucus Nigra Lectin (SNA, EBL), Biotinylated

Cat PL00756

Size 2 mg

Sugar Specificity

Sialic Acid

Description

The black Sambucus nigra lectin isolated from the bark of elderberry preferentially binds to the terminal galactose-linked sialic acid in alpha-2,6, and alpha-2,3 chains. Lactose or galactose also inhibit binding to some extent. This lectin appears to bind to sialic acid to n-acetylgalactose, or galactose. It has been reported that SNA can inhibit the synthesis of cell-free proteins. Biotinylated black ginseng lectins bind the appropriate amount of biotin to provide the best staining properties for the lectins. This conjugate contains essentially no unconjugated biotin and is preserved with sodium azide. Note that SNL and SNA are equivalent. Historically, Vector Laboratories has used SNL as an acronym for the lectin sambucus Nigra. SNA, reflecting black ginseng lectin, is commonly used in the scientific community for this product, as shown in B-1305 on the NCFG website. If you have any questions about this matter, please contact us at customerservice@vectorlabs.com or +1-800-227-6666 / +1-650-697-3600.

Conjugate

Biotinylated

Concentration

2 mg active conjugate/ml

5 mg active conjugate/ml

Sugar Specificity

Sialic Acid

Storage

2-8°C; Store frozen for long term storage

Application

Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology

Recommended dilution

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 °C and centrifuge before use.

Solution

10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl₂.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY