Native Jimson weed Datura stramonium Lectin (DSA/DSL), FITC-Conjugated

Cat. No. DSA/DSL-302J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Jimson weed Datura stramonium Lectin (DSA/DSL) - FITC (Fluorescein) Blood Group Specificity: Non-specific Preferred Sugar Specificity: (N-Acetylglucosamine)2-4 Inhibiting or Eluting Sugar: Chitin Hydrolysate Divalent Ions: None Required Excitation: 495 nm Emission: 515 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Green
Species	Jimson weed
Source	Jimson weed
Description	Datura stramonium agglutinin or lectin (DSA/DSL) is purified by affinity chromatography. Seeds of Datura stramonium contain at least three different carbohydrate-binding proteins, and the most prominent lectin is a dimeric glycoprotein composed of two nonidentical subunits that contains 40% carbohydrate. DSL prefers binding to (GlcNAc)2-4 and elutes with the sugar chitin hydrolysate. DSL binds well in the acidic pH range and its affinity decreases above pH 8. 0. This agglutinin has blood group A, B, and O specificity. Studies have shown that DSA can act as a biomarker for neoplastic urotherial cells. Datura stramonium Lectin (DSA/DSL) is

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	labeled with fluorescein isothiocyanate (FITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. FITC conjugates have been used in a variety of immunohistochemical and flow cytometry applications.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	5 mg/mL

GENE INFORMATION

Official Symbol	DSA/DSL
Synonyms	Datura stramonium Lectin; DSA/DSL

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