

Active Native Datura Stramonium Lectin Protein, Fluorescein labeled

Cat. No. Lectin-1767D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Fluorescein labeled Datura Stramonium Lectin and has sugar specificity to [GlcNAc]1-3, N-Acetylglucosamine. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.
Species	Datura stramonium
Source	Datura stramonium
Description	DSL contains two chains of 40 kDa and 46 kDa joined by disulfide bonds. This lectin is free of a reported 32 kDa contaminant protein. The carbohydrate binding site recognizes (β-1,4) linked N-acetylglucosamine oligomers, preferring chitobiose or chitotriose over a single N-acetylglucosamine residue. This lectin binds well in the acidic pH range but its affinity decreases above pH 8.0.
Form	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca ²⁺
Bio-activity	Inhibiting/Eluting Sugar: Chitin Hydrolysate
Molecular Mass	86 Kda
Applications	Immunofluorescence, Glycobiology
Usage	The recommended concentration range for use is 5-20 µg/ml.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Refrigerate in the dark. If a precipitate forms upon long-term storage, warm to 37 centigrade. and centrifuge before use.
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Concentration	2mg/ml
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GENE INFORMATION

Synonyms	Lectin; DSL
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UniProt ID	A0A089ZWN7
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