

Active Native Datura Stramonium Lectin Protein, Biotinylated

Cat. No. Lectin-1766D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Biotinylated Datura Stramonium Lectin and has sugar specificity to [GlcNAc]1-3, N-Acetylglucosamine.
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, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM Ca ²⁺ .
Bio-activity	Inhibiting/Eluting Sugar: Chitin Hydrolysate
Molecular Mass	86 Kda
Applications	Immunohistochemistry; Immunocytochemistry; Immunofluorescence; Blotting Applications; Elispot; ELISAs; Glycobiology
Usage	we recommend a freshly prepared working solution of 5-20 µg/ml.
Storage	Refrigerate; for long term storage, aliquots may be stored frozen.

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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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