Active Native Datura Stramonium Lectin Protein

Cat. No. Lectin-1768D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the unconjugated 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.
Bio-activity	Inhibiting/Eluting Sugar: Chitin Hydrolysate
Molecular Mass	86 Kda
Applications	Glycobiology, Mitogenic Stimulation
Usage	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca2+ is recommended. For preserving solutions stored at 4 centigrade, 0.08% sodium azide can be used. Aggregation may occur with time if stored at concentrations greater than 2 mg/ml.
Storage	Refrigerate; aliquots of reconstituted lectin can be stored frozen. or preserved with

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	0.08% sodium azide and stored at 4 centigrade

GENE INFORMATION

Synonyms	Lectin; DSL
UniProt ID	A0A089ZWN7

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