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# Datura Stramonium Lectin (DSL), Unconjugated

## L-1180-5

[Product Images](#)

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## Short Description

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The carbohydrate binding site recognizes ( $\beta$ -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. DSL also binds well to N-acetyllactosamine and oligomers containing repeating N-acetyllactosamine sequences. A branched pentasaccharide including two N-acetyllactosamine disaccharides linked to mannose ( $\beta$ -1,6) and ( $\beta$ -1,2) was reported to be the most potent inhibitor of agglutination.

## Additional Information

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Unit Size	5 mg
Applications	Glycobiology, Mitogenic Stimulation
Recommended Usage	Though many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl <sub>2</sub> is recommended. For preserving solutions stored at 4 °C, 0.08% sodium azide can be used. Aggregation may occur with time if stored at concentrations greater than 2 mg/ml.
Recommended Storage	2-8 °C; for long term storage, aliquots may be stored frozen or preserved with 0.08% sodium azide in the recommended buffer and stored at 2-8 °C
Conjugate	Unconjugated
Sugar Specificity	[GlcNAc]1-3, N-Acetylglucosamine

