

Active Native Narcissus Pseudonarcissus (Daffodil) Lectin Protein

Cat. No. Lectin-1743N **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Hippeastrum Hybrid (Amaryllis) Lectin and Amaryllis lectin binds only α -mannose residues, unlike Con A, LCA and PSA that also bind α -glucosyl structures.
Species	Narcissus Pseudonarcissus
Source	Narcissus Pseudonarcissus
Description	NPL, isolated from daffodil bulbs, has a specificity toward α -linked mannose, preferring polymannose structures containing (α -1,6) linkages. Binding to mannose polymers can occur via internal mannose residues and is not dependent on structural integrity of a non-reducing end sugar. NPL also binds some galactomannans, and differs in other binding characteristics from a related lectin, Galanthus nivalis lectin. Unlike Con A, LCA, or PSA, NPL does not bind glucose.
Bio-activity	Inhibiting Sugar: 400 mM α -methylmannoside
Molecular Mass	59 kDa
Applications	Glycobiology
Storage	Refrigerate in the dark.
Reconstitution	Although many buffers can be employed for reconstituting and diluting this lectin, 10

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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.

GENE INFORMATION

Synonyms Lectin; NPL, NPA

UniProt ID [Q40423](#)

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