

# Active Native *Narcissus Pseudonarcissus* (Daffodil) Lectin Protein

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

## SPECIFICATION

<b>Product Overview</b>	This product is the <i>Hippeastrum Hybrid</i> ( <i>Amaryllis</i> ) Lectin and <i>Amaryllis</i> lectin binds only $\alpha$ -mannose residues, unlike Con A, LCA and PSA that also bind $\alpha$ -glucosyl structures.
<b>Species</b>	<i>Narcissus Pseudonarcissus</i>
<b>Source</b>	<i>Narcissus Pseudonarcissus</i>
<b>Description</b>	NPL, isolated from daffodil bulbs, has a specificity toward $\alpha$ -linked mannose, preferring polymannose structures containing ( $\alpha$ -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, <i>Galanthus nivalis</i> lectin. Unlike Con A, LCA, or PSA, NPL does not bind glucose.
<b>Bio-activity</b>	Inhibiting Sugar: 400 mM $\alpha$ -methylmannoside
<b>Molecular Mass</b>	59 kDa
<b>Applications</b>	Glycobiology
<b>Storage</b>	Refrigerate in the dark.
<b>Reconstitution</b>	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 Ca<sup>2+</sup> 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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