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NARCISSUS PSEUDONARCISSUS (DAFFODIL) LECTIN (NPL, NPA), UNCONJUGATED

SKU: L-1370-5



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.

SPECIFICATIONS

Molecular Weight	59
Extinction Coefficient	1.87
Inhibiting or Eluting Sugar	a-methyl-mannoside
Unit Size	5 mg

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Storage Instructions	2-8 °C
Sugar Specificity	Terminal Manα1−6 and terminal Manα1−3
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended. For preserving solutions stored at 4 ºC, 0.08% sodium azide can be used.
Applications	Glycobiology
Conjugate	Unconjugated

TECHNICAL INFORMATION

This lectin exists as a tetramer at neutral pH but below pH 5.0 and above pH 9.0, NPL dissociates into monomers.

Inhibiting Sugar: 400 mM α-methylmannoside

DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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