



**NARCISSUS PSEUDONARCISSUS (DAFFODIL) LECTIN
(NPL, NPA), BIOTINYLATED**

SKU: B-1375-2

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.

Biotinylated *Narcissus pseudonarcissus* lectin has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

SPECIFICATIONS

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



Molecular Weight	59
Extinction Coefficient	1.87
Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide
Inhibiting or Eluting Sugar	α -methyl-mannoside
Unit Size	2 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal Man α 1–6 and terminal Man α 1–3
Usage Summary	For most applications, we recommend a freshly prepared working solution of 5-20 μ g/ml in the below buffer.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Biotinylated

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.

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting Sugar: 400 mM α -methylmannoside

DOCUMENTS

- [Safety Data Sheet](#)
- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Download CoA](#)
- [Datasheet](#)

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