Active Native Galanthus Nivalis Lectin Protein, Fluorescein labeled

Cat. No. Lectin-1778G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Fluorescein labeled Galanthus Nivalis Lectin and has sugar specificity against Mannose. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.
Species	Galanthus nivalis
Source	Galanthus nivalis
Description	Galanthus nivalis lectin, unlike most mannose-specific lectins, is not a metalloprotein and does not require Ca2+ or Mn2+ for binding. Binding seems to be preferentially directed toward structures containing (α-1,3) mannose residues. Also in contrast to most mannose-binding lectins, GNL will not bind α-linked glucose. Reports indicate that this lectin binds rat and mouse IgM but not IgG. The only protein from human serum reported to bind to this lectin is α2-macroglobulin. GNL binds to many viral glycoproteins.
Form	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca2+
Bio-activity	Inhibiting/Eluting Sugar: 100 mM - 200 mM α-methylmannoside
Molecular Mass	50 kDa
Applications	Immunofluorescence, Glycobiology

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Usage	The recommended concentration range for use is 5-20 g/ml.
Storage	Refrigerate in the dark. . If a precipitate forms upon long-term storage, warm to 37 centigrade. and centrifuge before use.
Concentration	2 mg/ml

GENE INFORMATION

Synonyms	Lectin; GNL
UniProt ID	P30617

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