

Active Native Galanthus Nivalis Lectin Protein

Cat. No. Lectin-1749G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Galanthus Nivalis Lectin and has sugar specificity against Mannose.
Species	Galanthus nivalis
Source	Galanthus nivalis
Description	Galanthus nivalis lectin, unlike most mannose-specific lectins, is not a metalloprotein and does not require Ca ²⁺ or Mn ²⁺ 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 α ₂ -macroglobulin. GNL binds to many viral glycoproteins.
Bio-activity	Inhibiting/Eluting Sugar: 100 mM - 200 mM α-methylmannoside
Molecular Mass	50 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology
Storage	Refrigerate at 4 centigrade
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. Lectin may be preserved with 0.04% sodium azide.

GENE INFORMATION

Synonyms	Lectin; GNL
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UniProt ID	P30617
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