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# Galanthus Nivalis Lectin (GNL), Biotinylated

## B-1245-2

[Product Images](#)

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## Short Description

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*Galanthus nivalis* lectin, unlike most mannose-specific lectins, is not a metalloprotein and does not require  $\text{Ca}^{++}$  or  $\text{Mn}^{++}$  for binding.

Binding seems to be preferentially directed toward structures containing ( $\alpha$ -1,3) mannose residues. Also in contrast to most mannose-binding lectins, GNL will not bind  $\alpha$ -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  $\alpha$ 2-macroglobulin. GNL binds to many viral glycoproteins.

Biotinylated *Galanthus nivalis* 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.

## Additional Information

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|---------------------|---|
| Unit Size           | 2 mg  |
| Applications        | Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology  |
| Recommended Usage   | For most applications, we recommend a freshly prepared working solution of 5-20 $\mu\text{g}/\text{ml}$ in the above buffer. A precipitate may form during storage. This does not have a significant adverse effect on the product. If a precipitate forms upon long-term storage, warm to 37 $^{\circ}\text{C}$ and centrifuge before use. |
| Recommended Storage | 2-8 $^{\circ}\text{C}$ ; Store frozen for long term storage   |
| Solution            | 10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM $\text{CaCl}_2$ .  |
| Concentration       | 2 mg/ml   |
| Conjugate           | Biotinylated  |
| Sugar Specificity   | Mannose   |

