Succinylated Wheat Germ Agglutinin (WGA), Agarose bound

CD BioSciences
Plant Protein

Cat *PL00717*

Size *2 ml/5 ml*

Sugar Specificity
N-Acetylglucosamine

Description
Agarose bound, succinylated WGA is prepared with our affinity purified lectins. It is reported that this derivative has properties different from natural lectins. Evidence suggests that succinylated wheat germ lectins do not bind to sialic acid residues as the natural form does, but retain specificity for n-acetylglucosamine. The use of natural lectin and succinized forms of conjugates can provide a system for distinguishing between salivary glycoconjugates and glycoconjugates containing only the n-acetylglucosamine structure.

Conjugate
Agarose

Sugar Specificity
N-Acetylglucosamine

Storage
2-8℃; Do not freeze

Application
Glycobiology, Affinity Chromatography

Recommended dilution
Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting solution, Cat. No. ES-5100. Alternatively, 0.5 M N-Acetyl-D-Glucosamine (GlcNAc) can be used.For those glycoconjugates having very high affinity for WGA, it may be necessary to lower the pH of the eluting sugar solution to pH 3.0 with acetic acid and increase the concentration of GlcNAc. After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.

Solution
10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM GlcNAc, 0.08% sodium azide

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