

Wheat Germ Agglutinin (WGA), Agarose bound

Cat PL00718

Size 2 ml/5 ml/10 ml

Sugar Specificity

N-Acetylglucosamine

Description

Agarose bound wheat germ agglutinin is prepared from 4% agarose beads. The acceptor sugar of WGA is N-acetylglucosamine, which preferentially binds to dimers and trimers of this sugar. WGA can bind oligosaccharides with n-acetylglucosamine or chitosan at the end, a structure common to many serum and membrane glycoproteins.

Conjugate

Agarose

Sugar Specificity

N-Acetylglucosamine

Storage

2-8°C; 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. Alternately, 0.5 M N-Acetyl-D-Glucosamine or Chitin Hydrolysate (Cat. No. SP-0090) 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. 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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