

Wheat Germ Agglutinin (WGA), Unconjugated

Cat PL00715

Size 10 mg/25 mg

Sugar Specificity

N-Acetylglucosamine

Description

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. Bacterial cell wall peptidoglycans, chitin, chondrosaminoglycans and glycolipids can also bind WGA. Native WGA has also been reported to interact with some glycoproteins via sialic acid residues (see succinylated WGA).

Conjugate

Unconjugated

Sugar Specificity

N-Acetylglucosamine

Storage

2-8°C

Application

Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation

Recommended dilution

Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl₂ is recommended. For preserving solutions stored at 4 °C, 0.08% sodium azide can be used.

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