



Wheat Germ Agglutinin (WGA), Biotinylated

B-1025-5

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Short Description

The receptor sugar for WGA is *N*-acetylglucosamine, with preferential binding to dimers and trimers of this sugar. WGA can bind oligosaccharides containing terminal *N*-acetylglucosamine or chitobiose, structures which are common to many serum and membrane glycoproteins. Bacterial cell wall peptidoglycans, chitin, cartilage glycosaminoglycans, and glycolipids can also bind WGA.

Biotinylated WGA 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

Unit Size	5 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 µg/ml in the above buffer.
Recommended Storage	2-8 °C; Store frozen for long term storage
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl ₂ , 10 mM <i>N</i> -acetylglucosamine.
Concentration	5 mg active conjugate/ml
Conjugate	Biotinylated
Sugar Specificity	<i>N</i> -Acetylglucosamine

