

SUCCINYLATED WHEAT GERM AGGLUTININ (WGA), BIOTINYLATED

SKU: B-1025S-5



This derivative has been reported to have properties distinct from the native lectin. Evidence suggests that Succinylated Wheat Germ agglutinin does not bind to sialic acid residues, unlike the native form, but retains its specificity toward *N*-acetylglucosamine.

Biotinylated, succinylated 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.

Specifications

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| 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 below buffer. |
| Recommended Storage | 2-8 °C; Store frozen for long term storage |

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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| Solution | 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.1 mM CaCl ₂ , 0.08% sodium azide |
| Concentration | 5 mg active conjugate/ml |
| Conjugate | Biotinylated |
| Sugar Specificity | N-Acetylglucosamine |

Technical Information

Using conjugates of the native lectin and the succinylated form can provide a system to distinguish between sialylated glycoconjugates and those containing only *N*-acetylglucosamine structures.

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN® ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting/Eluting Sugar: Chitin Hydrolysate or 500 mM *N*-acetylglucosamine with salt and/or acid elution generally required

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