



# SUCCINYLATED WHEAT GERM AGGLUTININ (WGA), BIOTINYLATED

**SKU:** B-1025S-5



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## DESCRIPTION

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

<b>Molecular Weight</b>	36
<b>Extinction Coefficient</b>	1.46

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<b>Formulation</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.1 mM CaCl <sub>2</sub> , 0.08% sodium azide
<b>Inhibiting or Eluting Sugar</b>	Chitin Hydrolysate
<b>Unit Size</b>	5 mg
<b>Storage Instructions</b>	2-8 °C; Store frozen for long term storage
<b>Sugar Specificity</b>	Terminal N-acetyl-containing glycans
<b>Usage Summary</b>	For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
<b>Applications</b>	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
<b>Concentration</b>	5 mg active conjugate/ml
<b>Conjugate</b>	Biotinylated

## 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<sup>®</sup> 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

### MSDS:

[msdsB1025S.pdf](#) (PDF)

## CITATIONS

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## DOCUMENTS

- [Safety Data Sheet](#)

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- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
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## GALLERY IMAGES



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[Succinylated Wheat Germ Agglutinin \(WGA\), Biotinylated](#)

<https://vectorlabs.com/products/biotinylated-succinylated-wheat-germ-agglutinin/>