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SUCCINYLATED WHEAT GERM AGGLUTININ (WGA), BIOTINYLATED

SKU: B-1025S-5



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

Molecular Weight	36
Extinction Coefficient	1.46

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

Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.1 mM CaCl2, 0.08% sodium azide
Inhibiting or Eluting Sugar	Chitin Hydrolysate
Unit Size	5 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Terminal N-acetyl-containing glycans
Usage Summary	For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Concentration	5 mg active conjugate/ml
Conjugate	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® 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

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

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Download CoA
- Datasheet

GALLERY IMAGES



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