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VICIA VILLOSA LECTIN (VVL, VVA), BIOTINYLATED

SKU: B-1235-2



DESCRIPTION

VVL recognizes preferentially α- or β-linked terminal *N*-acetylgalactosamine, especially a single α-*N*-acetylgalactosamine residue linked to serine or threonine in a polypeptide (the Tn antigen). Evidence suggests that this lectin also may require specific amino acid sequences at the receptor site of glycosylation. The disaccharide galactosyl (α-1,3) *N*-acetylgalactosamine is also a potent inhibitor of this lectin.

Biotinylated *Vicia villosa* lectin 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	105
Extinction Coefficient	0.78

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Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl2, 0.01 mM MnCl2.
Inhibiting or Eluting Sugar	GalNAc
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Terminal GalNAc and terminal LacdiNAc
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	2 mg active conjugate/ml
Conjugate	Biotinylated

TECHNICAL INFORMATION

This lectin is a family of tetrameric glycoproteins consisting of combinations of A and B subunits similar in structure to PHA and GSL I. The dominant isolectins in our preparations appear to be B subunit-rich.

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: 200 mM *N*-acetylgalactosamine

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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