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VICIA VILLOSA LECTIN (VVL, VVA), FLUORESCEIN

SKU: FL-1231-2



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.

Fluorescein labeled *Vicia villosa* lectin has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

SPECIFICATIONS

Molecular Weight	105

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Color of Fluorescence	Green
Extinction Coefficient	0.78
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2
Inhibiting or Eluting Sugar	GalNAc
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg
Storage Instructions	2-8°C
Sugar Specificity	Terminal GalNAc and terminal LacdiNAc
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Fluorescein

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.

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

Inhibiting/Eluting Sugar: 200 mM *N*-acetylgalactosamine

CITATIONS

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DOCUMENTS

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

GALLERY IMAGES



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