



# VICIA VILLOSA LECTIN (VVL, VVA), FLUORESCIN

**SKU:** FL-1231-2



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## DESCRIPTION

VVL recognizes preferentially  $\alpha$ - or  $\beta$ -linked terminal *N*-acetylgalactosamine, especially a single  $\alpha$ -*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 ( $\alpha$ -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

<b>Molecular Weight</b>	105
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<b>Color of Fluorescence</b>	Green
<b>Extinction Coefficient</b>	0.78
<b>Formulation</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl <sub>2</sub>
<b>Inhibiting or Eluting Sugar</b>	GalNAc
<b>Maximum Emission</b>	514-521 nm
<b>Maximum Excitation</b>	495-500 nm
<b>Unit Size</b>	2 mg
<b>Storage Instructions</b>	2-8°C
<b>Sugar Specificity</b>	Terminal GalNAc and terminal LacdiNAc
<b>Usage Summary</b>	The recommended concentration range for use is 5-20 µg/ml.
<b>Applications</b>	Immunofluorescence, Glycobiology
<b>Concentration</b>	2 mg active conjugate/ml
<b>Conjugate</b>	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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