

## Active Native Vicia Villosa Lectin Protein, Agarose bound

**Cat. No.** Lectin-1855V    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	This product is the Agarose bound Vicia Villosa Lectin and has sugar specificity against N-Acetylgalactosamine.
<b>Species</b>	Vicia Villosa
<b>Source</b>	Vicia Villosa
<b>Description</b>	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. 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.
<b>Form</b>	10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM galactose 0.08% sodium azide
<b>Bio-activity</b>	Inhibiting/Eluting Sugar: 200 mM N-acetylgalactosamine
<b>Molecular Mass</b>	102 kDa - 144 kDa
<b>Applications</b>	Glycobiology, Affinity Chromatography
<b>Usage</b>	1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the

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lectin.

2, Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting solution. Alternatively, 200 mM N-acetylgalactosamine can be used. Elution can also be achieved with 100 mM sodium acetate, pH 3.0, 1 M galactose.

3, After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.

**Storage** Refrigerate. DO NOT FREEZE.

**Concentration** 3.0 mg/ml of settled gel

## GENE INFORMATION

**Synonyms** Lectin; VVL; VVA

**UniProt ID** [P56625](#)

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