

Active Native Vicia Villosa Lectin Protein, Agarose bound

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

SPECIFICATION

Product Overview	This product is the Agarose bound Vicia Villosa Lectin and has sugar specificity against N-Acetylgalactosamine.
Species	Vicia Villosa
Source	Vicia Villosa
Description	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 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.
Form	10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM galactose 0.08% sodium azide
Bio-activity	Inhibiting/Eluting Sugar: 200 mM N-acetylgalactosamine
Molecular Mass	102 kDa - 144 kDa
Applications	Glycobiology, Affinity Chromatography
Usage	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.
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Concentration	3.0 mg/ml of settled gel
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GENE INFORMATION

Synonyms	Lectin; VVL; VVA
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UniProt ID	P56625
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