

Active Native Vicia Villosa Lectin Protein

Cat. No. Lectin-1858V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Unconjugated 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.
Bio-activity	Inhibiting/Eluting Sugar: 200 mM N-acetylgalactosamine
Molecular Mass	102 kDa - 144 kDa
Applications	Glycobiology
Usage	Although many buffers can be employed for reconstituting this lectin, we recommend 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca ²⁺ . For preserving solutions stored at 4 centigrade, 0.8% sodium azide can be used.

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GENE INFORMATION

Synonyms	Lectin; VVL; VVA
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UniProt ID	P56625
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