Native Winged bean Psophocarpus tetragonolobus Lectin (PTL/PTA I)

Cat. No. PTL/PTA I-687W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Winged bean Psophocarpus tetragonolobus Lectin (PTL/PTA I) - Pure Blood Group Specificity: B, O(-SA) Preferred Sugar Specificity: N-Acetylgalactosamine, Galactose Inhibiting or Eluting Sugar: N-Acetylgalactosamine Divalent Ions: None Required Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	Winged bean
Source	Winged bean
Description	Psophocarpus tetragonolobus lectin (PTL I, psophocarpin B1, a storage protein with chymotrypsin inhibitory activity), is isolated from winged bean seeds and purified by affinity chromatography. The seed contains two lectins in which PTL I is the basic of the two. PTL I is a dimeric glycoprotein with specificity to GalNAc, with eluting sugar GalNAc. This lectin agglutinates trypsinized rabbit and human erythrocytes (type A and B) but not trypsinized human type O erythrocytes.
Form	Lyophilized
Molecular Mass	58 kDa
Purity	High Purity Grade

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Glycobiology, Staining of mouse M-cells, Blood vessel staining for A and B blood groups
Storage	At -20 centigrade.

GENE INFORMATION

Official Symbol	PTL/PTA I
Synonyms	Psophocarpus tetragonolobus Lectin; PTL/PTA I

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