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

Cat. No. PTL/PTA II-693W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Winged bean Psophocarpus tetragonolobus Lectin (PTL/PTA II) - Pure Blood Group Specificity: O(-SA) Preferred Sugar Specificity: N-Acetylgalactosamine, Galactose Inhibiting or Eluting Sugar: N-Acetylgalactosamine Divalent Ions: Ca++, Mn++ Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	Winged bean
Source	Winged bean
Description	Psophocarpus tetragonolobus lectin (PTL II, psophocarpin B1, a storage protein with chymotrypsin inhibitory activity), is isolated from winged bean seeds and purified by fractionation. The seed contains two lectins in which PTL II is the acidic of the two. This lectin agglutinates trypsinized and desialized erythrocytes of all three blood group types (A, B, and O). Nonpolar interactions play an important role in stabilization of the lectin-sugar complex.
Form	Lyophilized
Molecular Mass	54 kDa
Applications	Glycobiology, Blood vessel staining for O blood groups

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

Storage	At -20 centigrade.

GENE INFORMATION

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

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