

Native Peanut Lectin

Cat. No. Lectin-1721P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is arachis hypogaea lectin which against Gal beta 1-3 GalNac.
Species	Peanut
Source	Peanut
Description	Peanut lectin (PNA) is an identical tetrameric carbohydrate free protein with MW of 110 kDa. Thomsen-Friedenreich antigen, T-antigen (Galβ1, 3GalNac) is present on blood group M & N glycoproteins (after removal of sialic acid with neuraminidase), glyconjugates (Mucin type), gangliosides and many glycolipids. T antigen is rarely expressed on normal colonocytes whereas cells of malignant, premalignant cells express this antigen. Peanut lectin has widely been used to detect T antigen in malignant and premalignant cells. Peanut lectin contains one atom of Ca²⁺ and Mg²⁺ per unit. Inhibiting/Eluting sugars: 200 mM Galactose Carbohydrate-Binding Specificity of PNA: Galβ1, 3 GalNac>>>>GalNac>Gal
Form	10 mM bicarbonate, 150 mM NaCl, pH 8.2, 0.1 mM Calcium chloride and 0.05% sodium azide
Applications	Conjugation, Puri. Conjugation to Sepharose 4B (solid phase columns) to purify mucin type glycoproteins. For conjugation, azide should be removed. Dilute in buffer containing 0.1 mM calcium chloride. The optimum dilution should be determined by the individual

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lab.

Storage

Store at 2-8centigrade.

Concentration

5 mg/ml (Please refer to the vial label for the specific concentration)

GENE INFORMATION**Synonyms**

Peanut Lectin, PNA, PNA lectin, Arachis hypogaea, Arachis hypogaea lectin, Peanut agglutinin lectin, Peanut agglutinin

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