

Native Peanut Lectin, PE conjugated

Cat. No. Lectin-1718P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is arachis hypogaea lectin which against Gal beta 1-3 GalNAc (PE)
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	FACS, ICC/IF. Immunofluorescence (IF) 1: 50-1:200. Flow cytometry 1: 100-1:500. The optimum dilution should be determined by the individual lab.
Storage	Store at 2-8centigrade.

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

Synonyms	Peanut Lectin, PNA, PNA lectin, Arachis hypogaea, Arachis hypogaea lectin, Peanut agglutinin lectin, Peanut agglutinin
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UniProt ID	P02872
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