

## Peanut Lectin (PE)

Cat. No. GTX01509

<b>Applications</b>	ICC/IF, FCM
<b>Species</b>	Arachis hypogaea

References ( 4 )

Package

500 µg

## PRODUCT

## Summary

Peanut lectin (PNA) is an identical tetrameric carbohydrate free protein with MW of 110 kDa. Thomsen-Friedenreich antigen, T-antigen (Gal $\beta$ 1, 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.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

## Suggested dilution

## Recommended dilution

ICC/IF	1:50-1:200
FCM	1:100-1:500

Not tested in other applications.

## Product Note

Carbohydrate-Binding Specificity of Peanut Lectin : Gal $\beta$ 1, 3 GalNAc > GalNAc > Gal

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	10mM Bicarbonate, 150mM NaCl, 0.1mM CaCl <sub>2</sub>
<b>Preservative</b>	0.05% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Region/Sequence</b>	Native Protein
<b>Expression System</b>	Native Protein
<b>Purification</b>	Purified from Peanut
<b>Conjugation</b>	Phycoerythrin (PE) <a href="#">Wavelength</a>



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