

# Peanut Lectin (FITC)

**Cat. No. GTX01508**

<b>Application</b>	ICC/IF
<b>Species</b>	Arachis hypogaea

**Package**  
1 mg

## 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.

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
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ICC/IF	1:250-1:1000
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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 (pH8.2), 150mM NaCl, 0.1mM Calcium Chloride
<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>	5 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 by affinity chromatography followed by gel filtration chromatography Purified from Peanut
<b>Conjugation</b>	Fluorescein isothiocyanate (FITC) Absorption : 490 nm ; Emission : 520 nm. Ratio : 1.0-1.4 molecules FITC (isomer 1) per Lectin molecule.



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**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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