

## Peanut Lectin (PE)

Cat. No. GTX01509

Application	ICC/IF, FACS
Species	Arachis hypogaea

Reference ( 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 (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.

## APPLICATION

## Application Note

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

Suggested dilution	Recommended dilution
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ICC/IF	1:50-1:200
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FACS	1:100-1:500
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Not tested in other applications.

**Product Note** Carbohydrate-Binding Specificity of Peanut Lectin : Galβ1, 3 GalNAc > GalNAc > Gal

## PROPERTIES

Form	Liquid
Buffer	10mM Bicarbonate (pH8.2), 150mM NaCl, 0.1mM Calcium Chloride
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	Native Protein
Expression System	Native Protein
Purification	Purified from Peanut
Conjugation	Phycoerythrin (PE)



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**Note**

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