

Peanut Lectin (FITC)

Cat. No. GTX01508

Applications	ICC/IF
Species	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 β 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
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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 β 1, 3 GalNAc > GalNAc > Gal

Properties

Form	Liquid
Buffer	10mM Bicarbonate, 150mM NaCl, 0.1mM CaCl ₂
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	5 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	Native Protein
Expression System	Native Protein
Purification	Purified by affinity chromatography followed by gel filtration chromatography Purified from Peanut
Conjugation	Fluorescein isothiocyanate (FITC) Wavelength 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.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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