

Peanut Lectin (Biotin)

Cat. No. GTX01507

Application	WB, ELISA, IHC
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.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
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WB	1:500-1:2500
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ELISA	1:500-1:2500
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IHC	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
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Buffer	10mM Bicarbonate, 150mM NaCl, 0.1mM Calcium Chloride (pH8.2). Dilute in PBS, 0.1mM Calcium Chloride.
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Preservative	0.05% Sodium azide
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Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
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Concentration	5 mg/ml (Please refer to the vial label for the specific concentration.)
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Region/Sequence	Native Protein
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Expression System	Native Protein
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Purification	Purified by affinity chromatography followed by gel filtration chromatography Purified from Peanut
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Conjugation	Biotin
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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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