Peanut Lectin (Biotin)

Cat. No. GTX01507

Applications	WB, ELISA, IHC
Species	Arachis hypogaea

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), glycoconjugates (Mucin type), gangliosides and many glycolipids. T antigen is rarely expressed on normal coloncytes 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
WB	1:500-1:2500
ELISA	1:500-1:2500
IHC	1:250-1:1000

Not tested in other applications.

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

Properties

Form	Liquid
Buffer	10mM Bicarbonate, 150mM NaCl, 0.1mM $CaCl_2$. Dilute in PBS, 0.1mM $CaCl_2$.
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4ºC.
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	Biotin

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.

GeneTex, Inc. (North America)

1-877-436-3839 (Toll-free)   1-949-309-2888   sales@genetex.com

GeneTex International Corporation (Global)

886-3-6208988   886-3-6208989   infoasia@genetex.com