Bauhinia purpurea Lectin (BPL/BPA) - FITC (Fluorescein)

CD BioSciences
Plant Protein

Cat *PL00418*

Size *2 mg*

Sugar Specificity
Galβ3GalNAc

Description
Bauhinia lectin (BPA/BPL) is a tetramer lectin with a molecular weight of 120 kDa. In general, glycoconjugates containing galactose (ß-1,3) n-acetylgalactosamine structure bind best, but oligosaccharides containing α-bound n-acetylgalactosamine at the end can also bind to BPL. BPA is lactose specific and can be eluted with lactose. It is specific for blood groups A, B, O (-SA). Treating red blood cells with neuraminidase or trypsin increases agglutination, indicating that the receptor is masked by terminal carbohydrates. Makela's Group 2 sugars, especially n-acetyl-D-galactosamine, are potent inhibitors. Although the binding specificity of bisphenol a and peanut lectin is similar, the tissue staining patterns of the two lectins are different. Affinity purified Bauhinia lectin (BPL/BPA) (SKU: 21510028) is labeled with fluorescein isothiocyanate (FITC) and combined with appropriate amounts of fluorescent dyes to provide the best staining properties for this lectin. FITC conjugates have been used in a variety of immunohistochemical and flow cytometry applications. This product is a stable liquid.

Abbreviation
BPL/BPA

Material Source
Camel\'s foot tree

Conjugate
FITC (Fluorescein)

Concentration
2 mg/mL

Purity
High Purity Grade

Shelf Life
1 year

Blood Group Specificity
Non-specific

Sugar Specificity
Galβ3GalNAc

Inhibiting or Eluting Sugar
Lactose

Divalent Ions
None Required

Mitogenic Activity
Yes

Format
Liquid

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
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Plant Protein

Cat *PL00418*

Size *2 mg*

Storage
2-8°C

Excitation
495 nm

Emission
515 nm

Fluorescence
Green

Hazardous Shipping
Non-hazardous

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