Bauhinia purpurea Lectin (BPL/BPA) - Pure

CD BioSciences
Plant Protein

Cat *PL00422*

Size *2 mg/5 mg*

Sugar Specificity
Galβ3GalNAc

Description
Bauhinia lectin (BPA/BPL) is a tetramer lectin with a molecular weight of 195,000. Glycoconjugates containing the structure of galactose (-1,3) n-acetylgalactosamine bind best, but oligosaccharides terminally attached to n-acetylgalactosamine can also bind. 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. Although the binding specificity is similar to peanut lectins, the tissue staining patterns of the two lectins are different. Makela's Group 2 sugars, especially n-acetyl-D-galactosamine, are potent inhibitors. Natural proteins show stability in detergent solutions.

Abbreviation
BPL/BPA

Material Source
Camel\'s foot tree

Conjugate
None

Purity
Pure

Shelf Life
2 years

Blood Group Specificity
A, B, O (-SA)

Sugar Specificity
Galβ3GalNAc

Inhibiting or Eluting Sugar
Lactose

Divalent Ions
None Required

Mitogenic Activity
Yes

Format
Lyophilized

Storage
-20°C

Molecular Weight
195 kDa

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
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Hazardous Shipping

Non-hazardous

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