

Bauhinia purpurea Lectin (BPL/BPA) - Biotinylated

Cat PL00413

Size 2 mg

Sugar Specificity

Gal β 3GalNAc

Description

Affinity purified Bauhinia lectin (BPA/BPL) (SKU: 21510028) is a tetramer lectin with a molecular weight of 120 kDa. In general, glycoconjugates containing galactose (β -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. Despite binding specificity

Abbreviation

BPL/BPA

Material Source

Camel's foot tree

Conjugate

Biotinyl N- Hydroxysuccinimide Ester (Biotin)

Concentration

2 mg/mL

Purity

High Purity Grade

Shelf Life

1 year

Blood Group Specificity

Non-specific

Sugar Specificity

Gal β 3GalNAc

Inhibiting or Eluting Sugar

Lactose

Divalent Ions

None Required

Mitogenic Activity

Yes

Format

Liquid

Storage

2-8°C

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Hazardous Shipping

Non-hazardous

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