Native Camel's foot tree Bauhinia purpurea Lectin (BPL/BPA), TRITC-Conjugated

Cat. No. BPL/BPA -527C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Camel's foot tree Bauhinia purpurea Lectin (BPL/BPA) - TRITC (Rhodamine) Blood Group Specificity: Non-specific Preferred Sugar Specificity: Galβ3GalNAc Inhibiting or Eluting Sugar: Lactose Divalent Ions: None Required Excitation: 545-555 nm Emission: 570-580 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Orange
Species	Camel's foot tree
Source	Camel's foot tree
Description	Bauhinia purpurea agglutinin or lectin (BPA/BPL) is a tetrameric lectin with a molecular weight of 195,000. It has specificity for blood groups A, B, O (-SA). Treatment of erythrocytes with neuraminidase or trypsin will increase the agglutination reaction, indicating that the receptor is masked by terminal carbohydrates. Although binding specificity is similar to that of peanut agglutinin, tissue staining patterns of these two lectins are distinct. Makela's group 2 sugars, particularly N-acetyl-D-galactosamine, are potent inhibitors. The native protein appears to be stable in detergent solution. Bauhinia purpurea Lectin (BPL/BPA) is labeled with

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. TRITC is a bright orange or red-fluorescent dye with excitation ideally suited to the 532-nm laser line. TRITC labeled BPL/BPA can be used for cellular imaging applications.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	BPL/BPA
Synonyms	Bauhinia purpurea Lectin; BPL/BPA

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA