Native Chickpea Cicer arietinum Lectin (CAL/CPA), Texas Red-Conjugated

Cat. No. CAL/CPA-533C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Chickpea Cicer arietinum Lectin (CAL/CPA) - Texas Red Blood Group Specificity: Non-specific Preferred Sugar Specificity: Complex N-Glycans Inhibiting or Eluting Sugar: Human IgM, Bovine Fetuin Divalent Ions: Ca++, Mn++ Excitation: 595 nm Emission: 615 nm Hazardous Shipping: Non-hazardous Fluorescence: Red
Species	Chickpea
Source	Chickpea
Description	Cicer arietinum lectin or agglutinin (CAL/CPA) is a homodimer composed of two subunits. This lectin is a glycoprotein that contains 4. 5% neutral sugars and is basic in nature (pI: 9. 0). CAL possess complex-sugar specificity for N-glycans and N-acetyl-D-galactosamine, and elutes with acetyl-D-galactosamine. Although neither human or rabbit erythrocytes are agglutinated by this lectin, pronase-treated rabbit and human erythrocytes have been successfully agglutinated. None of the sugars, such as glucose, mannose or galactose, nor their derivatives, disaccharides, trisaccharides and tetrasaccharides have any effect on the agglutination of this lectin. Texas Red is a red-fluorescent dye and when bound to Cicer arietinum Lectin

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

	(CAL/CPA) can show the binding pattern of this lectin in cellular imaging applications. There is very little overlap between the emission spectra of Texas Red and FITC making this combination ideal for dual-labeling experiments. Rhodamine dyes, such as Texas Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein.
Form	Liquid
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	CAL/CPA
Synonyms	Cicer arietinum Lectin; CAL/CPA

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