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

Cat. No. CAL/CPA-484C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Chickpea Cicer arietinum Lectin (CAL/CPA) - TRITC (Rhodamine) Blood Group Specificity: Non-specific Preferred Sugar Specificity: Complex N-Glycans Inhibiting or Eluting Sugar: Human IgM, Bovine Fetuin Divalent Ions: Ca++, Mn++ Excitation: 545-555 nm Emission: 570-580 nm Hazardous Shipping: Non-hazardous Fluorescence: Orange
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). 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. Cicer arietinum Lectin (CAL/CPA) is labeled with tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin.

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	TRITC is a bright orange or red-fluorescent dye with excitation ideally suited to the 532-nm laser line. TRITC labeled CAL/CPA can be used for cellular imaging applications.
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

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