Native Kidney bean Phaseolus vulgaris Lectin (PHA-E), TRITC-Conjugated

Cat. No. PHA-E-506K **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Kidney bean Phaseolus vulgaris Lectin (PHA-E) - TRITC (Rhodamine) Blood Group Specificity: Non-specific Preferred Sugar Specificity: Complex N-Glycans Inhibiting or Eluting Sugar: Bovine Thyroglobulin, Acetic Acid Divalent Ions: Ca++, Mn++ Excitation: 545-555 nm Emission: 570-580 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Orange
Species	Kidney bean
Source	Kidney bean
Description	Affinity purified Phaseolus vulgaris lectin (PHA-E) is tetrameric glycoprotein and responsible for the erythroagglutinating properties of the PHA fraction. It has a carbohydrate specificity towards oligosaccharides and elutes with bovine thyroglobulin or acetic acid. PHA-E will bind to both human erythrocytes and lymphocytes, with a specificity towards blood group A (-SA). There are five times more PHA-E receptors on normal human lymphocytes than there are on erythrocytes. PHA-E binds di-galactosylated and bisected N-glycan. This lectin is widely used as a biochemical tool for detecting bisecting GlcNAc- and Gal-bearing glycoproteins.

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	Affinity purified Phaseolus vulgaris Lectin (PHA-E) is labeled with 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 PHA-E can be used for cellular imaging applications.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	PHA-E
Synonyms	Phaseolus vulgaris Lectin; PHA-E)

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