

Native Kidney bean Phaseolus vulgaris Lectin (PHA-E)

Cat. No. PHA-E-666K **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Kidney bean Phaseolus vulgaris Lectin (PHA-E) - Pure Blood Group Specificity: A(-SA) Preferred Sugar Specificity: Complex N-Glycans Inhibiting or Eluting Sugar: Bovine Thyroglobulin, Acetic Acid Divalent Ions: Ca⁺⁺, Mn⁺⁺ Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
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.
Form	Lyophilized
Molecular Mass	126 kDa

 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

Purity	High Purity Grade
Applications	Erythroagglutinin studies, Binding of HNK-1, Model for carbohydrate recognition of proteins
Storage	At -20 centigrade.
GENE INFORMATION	
Official Symbol	PHA-E
Synonyms	Phaseolus vulgaris Lectin; PHA-E)

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