

Native Kidney bean Phaseolus vulgaris Lectin (PHA-L)

Cat. No. PHA-L-675K **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Native Kidney bean Phaseolus vulgaris Lectin (PHA-L) - Pure
 Blood Group Specificity: None
 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

Phaseolus vulgaris lectin (PHA-L) is an affinity purified lectin made up of four subunits with carbohydrate specificity for complex oligosaccharides. PHA-L is known as leucoagglutinin and has high mitogenic and leucoagglutinating activity, and low erythroagglutinating activity. This lectin exhibits no agglutination with human erythrocytes. PHA-E differs from PHA-L in that the leucoagglutinin reacts strongly with Tamm-Horsfall glycoprotein and reacts weakly with porcine thyroglobulin. PHA-L binds to fetuin but does not precipitate the glycoprotein. This lectin reacts strongly with certain carcinoma cell lines of high metastatic potential and has been proposed as a probable therapeutic agent. It has shown potential to inhibit graft vs. host reaction in transplantation studies and has also shown to promote the production of cytotoxic agents which could be useful in cancer therapy.

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Form	Lyophilized
Molecular Mass	126 kDa
Purity	High Purity Grade
Applications	Cancer biomarker, Leucoagglutinin studies, Glycobiology, Model for carbohydrate recognition of proteins, Anterograde transport studies
Storage	At -20 centigrade.
GENE INFORMATION	
Official Symbol	PHA-L
Synonyms	Phaseolus vulgaris Lectin; PHA-L)

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