

Phaseolus vulgaris Lectin (PHA-E+L) - Pure

Cat PL00602

Size 5 mg/10 mg/25 mg/50 mg

Sugar Specificity

Complex N-Glycans

Description

Affinity Purified Phaseolus vulgaris lecectin (PHA E+L, also known as PHA P, P stands for hemagglutinin) is an affinity purified lectin composed of two isolates, PHA-E and PHA-L. It is composed of red lectin and leukocyte lectin, both of which have strong mitotic activity. PHA P has a molecular weight of 126,000 and an isoelectric point between pH 5.2 and pH 6.2. It is carbohydrate-specific for eluents of complex oligosaccharides and bovine thyroglobulin or acetic acid. This lectin causes blood group A (-SA) to agglutinate. PHA P can be used to stimulate mitosis of human lymphocytes. It has the potential to induce closer contact between adjacent cell membranes and has been successfully used for membrane-induced fusion of human oocytes, bovine oocytes, and goat oocytes. Phytohemagglutinin is direct evidence of the involvement of bacterial lectins in the initiation of infection and is the basis of current academic and industrial attempts to apply carbohydrates to the anti-adhesion treatment of such diseases.

Abbreviation

PHA-E+L

Material Source

Kidney bean

Conjugate

None

Purity

High Purity Grade

Shelf Life

2 years

Blood Group Specificity

A(-SA)

Sugar Specificity

Complex N-Glycans

Inhibiting or Eluting Sugar

Bovine Thyroglobulin, Acetic Acid

Divalent Ions

Ca⁺⁺, Mn⁺⁺

Mitogenic Activity

Yes

Format

Lyophilized

Storage

-20°C

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *5 mg/10 mg/25 mg/50 mg*

Molecular Weight

126 kDa

Hazardous Shipping

Non-hazardous

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