

Active Native Phaseolus Vulgaris Leucoagglutinin Protein

Cat. No. Lectin-1826P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Unconjugated Phaseolus Vulgaris Leucoagglutinin (PHA-L) and has sugar specificity against galactose and complex structures.
Species	Phaseolus Vulgaris
Source	Phaseolus Vulgaris
Description	Phaseolus vulgaris agglutinin is the name ascribed to a family of lectins, each of which consists of four subunits. There are two different types of subunits. One appears to be involved primarily in red cell agglutination and has been designated the "E" subunit (for erythroagglutinin). The other type is involved in lymphocyte agglutination and mitogenic activity and has been termed the "L" subunit (for leucoagglutinin). These subunits combine to produce five isolectins. PHA-L, with four "L" type subunits, does not agglutinate red cell but is a potent mitogen.
Bio-activity	In addition to the lyophilized powder, it contains approximately 20% salts.
Molecular Mass	126 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Usage	For neuronal transport studies, reconstitute in 0.2 ml of 10 mM phosphate, pH 8.0. Both the pH and ionic strength of the reconstituting buffer are important for optimal anterograde transport.

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Storage

Refrigerate.

Reconstitution

The lectin should be reconstituted 10 mM phosphate, pH 8.0. If reconstituted in 1 ml of 10 mM phosphate, the resulting solution will be 5 mM phosphate, 10 mM NaCl with trace Ca²⁺. After reconstitution, and if appropriate for use, a preservative such as sodium azide (0.04%) may be added. If the lectin is to be used for mitogenic assays, filter solution through a sterile 0.22 µfilter immediately after reconstitution, aliquot and store frozen.

GENE INFORMATION**Synonyms**

Lectin; PHA-L

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