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PHASEOLUS VULGARIS ERYTHROAGGLUTININ (PHA-E), UNCONJUGATED

SKU: L-1120-5



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.

SPECIFICATIONS

Molecular Weight	126
Extinction Coefficient	1.16
Inhibiting or Eluting Sugar	Desialylated Fetuin or GalNAc

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Unit Size	5 mg
Storage Instructions	2-8 °C
Sugar Specificity	β1,4-branched (bisected) N-glycan
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, we recommend using 10 mM HEPES, pH 8.5, 0.1 mM CaCl2.For preserving solutions, stored at 4 ºC, 0.08% sodium azide can be used. The recommended concentration range for use is 1-10 µg/ml.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Conjugate	Unconjugated

TECHNICAL INFORMATION

PHA-E possesses strong hemagglutinating activity but is a poor mitogen. PHA-L, with four L type subunits, does not agglutinate red cells but is a potent mitogen. The other three isolectins, designated E3L1, E2L2, and E1L3, have erythroagglutinating and mitogenic activities proportional to the number of respective E or L subunits. We have termed the mixture of the five isolectins PHA (E+L).

Elution: 100 mM acetic acid

CITATIONS

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DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

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GALLERY IMAGES



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