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PHASEOLUS VULGARIS LEUCOAGGLUTININ (PHA-L)

SKU: RL-1112-2



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.

Rhodamine labeled PHA-L has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 550 nm and the emission maximum is at 575 nm.

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SPECIFICATIONS

Color of Fluorescence	Red
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2
Maximum Emission	570-580 nm
Maximum Excitation	545-555 nm
Unit Size	2 mg
Storage Instructions	2-8 °C
Sugar Specificity	Galactose, Complex Structures
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Rhodamine

TECHNICAL INFORMATION

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).

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

Elution: 100 mM acetic acid

CITATIONS

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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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