

Phaseolus Vulgaris Erythroagglutinin (PHA-E), Fluorescein

Cat PL00680

Size 2 mg

Sugar Specificity

Galactose, Complex Structures

Description

Phasebean lectins are the name of a family of lectins, each consisting of four subunits. There are two different types of subunits. One of these appears to be primarily involved in red blood cell agglutination and is designated as the "E" subunit (red agglutinin). Another type is involved in lymphocyte agglutination and mitotic activity and is known as the "L" subunit (leukocyte lectin). These subunits combine to produce five isolates. PHA-E has strong hemagglutination activity, but is a poor mitogen. Fluorescein-labeled PHA-E has the appropriate amount of fluorescent dye binding to provide optimal staining properties for this lectin. This conjugated substance basically does not contain unconjugated fluorescent dyes. The excitation maximum is 495nm and the emission maximum is 515nm.

Conjugate

Fluorescein

Concentration

2 mg active conjugate/ml

Sugar Specificity

Galactose, Complex Structures

Storage

2-8°C

Excitation

495-500 nm

Emission

514-521 nm

Fluorescence

Green

Application

Immunofluorescence, Glycobiology

Recommended dilution

The recommended concentration range for use is 5-20 µg/ml.

Solution

10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl₂, 5mg/ml Beta-Cyclodextrin

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