

**ANTI-PHASEOLUS VULGARIS LECTIN
(Kidney Bean)
Developed in Rabbit
Fractionated Antiserum**

Product No. **P0526**

Anti-Phaseolus vulgaris (Kidney bean) lectin is developed in rabbit using purified kidney bean lectin as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. Rabbit Anti-Phaseolus vulgaris lectin is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Specificity

Electrophoresis of the immunogen followed by diffusion versus the antibody preparation results in a single arc of precipitation in the gamma region.

Identity and Purity

Identity and purity of the specific antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG results in a single arc of precipitation and versus anti-rabbit whole serum results in multiple arcs of precipitation.

Protein Concentration: not more than 90 mg/ml by Biuret.

Titer: Minimum 1:8

Using an Ouchterlony double diffusion (ODD) assay, in 1% agarose, 5 μ l of serially diluted reconstituted antiserum is reacted against 5 μ l of 1 mg/ml solution of purified kidney bean lectin (well separation: 7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate after 24 hours.

Reconstitution and Storage Instructions

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8°C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

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