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Product Information

ANTI-CANAVALIA ENSIFORMIS LECTIN (Concanavalin A, Con A) Developed in Rabbit Fractionated Antiserum

Product No. **C7401**

Product Description

Anti-Canavalia ensiformis (Con A) Lectin is developed in rabbit using purified Jack bean concanavalin A lectin as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. To ensure specificity the fractionated antiserum is adsorbed using solid phase techniques, if necessary.

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

Reagents

Rabbit anti-Con A lectin is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

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.

Product Profile

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

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

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