SIGMA CHEMICAL COMPANY

Product No. P-3775
Lot 037H8835

Anti-Protein A

Developed in Rabbit
Fractionated Antiserum

Anti-Protein A is developed in rabbit using Protein A purified from *Staphylococcus aureus* 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. Rabbit Anti-Protein A is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Specificity

Reactive with an extract of Protein A by immunoelectrophoresis (IEP).

Identity and Purity

Identity and purity of the antibody is established by immunoelectrophoresis. 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: 29.7 mg/ml by Biuret.

Titer: 1:16

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 Protein A extract (well separation: 7.5mm 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.