

Product No. P-6021
Lot 059F8806

Anti-Pig IgG (whole molecule)
Developed in Rabbit
Fractionated Antiserum

Antiserum is developed in rabbit using purified pig IgG (whole molecule) as the immunogen. The resultant antiserum is fractionated and lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives are added.

Specificity

Antiserum is determined to be immunospecific for pig IgG by immunoelectrophoresis versus normal pig serum and pig IgG.

Identity and Purity

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

Protein Concentration: 15.5 mg/ml by Biuret.

Precipitation Analysis

One milliliter of reconstituted antibody preparation will precipitate 0.88 mg of purified pig IgG at equivalence.

Titer: 1:8

Using a double diffusion assay in 1% agarose, 5 μ l of serially diluted antiserum is reacted against 5 μ l of a 1 mg/ml solution of purified pig IgG (well separation 7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate by 24 hours.

Reconstitution and Storage

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.