

Product No. R-9630

Lot 017H4824

Anti-Rat IgA (α -chain specific)

Developed in Goat

Delipidized, Whole Antiserum

Antiserum is developed in goat using IgA isolated from rat IgA myeloma serum as immunogen. The antiserum has been treated to remove lipoproteins and is supplied as a liquid with 0.1% sodium azide (seeMSDS)* as a preservative.

Specificity

The antiserum shows a single arc of precipitation versus rat colostrum by immunoelectrophoresis (IEP). The product is non-reactive with rat IgG. This antiserum has not been assayed for interspecies cross reactivity.

Identity and Purity

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

Protein Concentration = 97 mg/ml by Biuret.

Titer: 1:4

Using an Ouchterlony double diffusion (ODD) assay, in 1% agarose, 5 μ l of serially diluted antiserum is reacted against 5 μ g of purified myeloma rat IgA (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.

Storage

For continuous use, store at 2-8°C. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

*Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

This goat antiserum was maintained at pH 5.0 for 40 minutes to meet U.S.D.A. requirements.