Product No. B-1645
Anti-Bovine IgG (whole molecule)
Developed in Goat
Delipidized, Whole Antiserum

Lot 103H4825

Antiserum is developed in goat using IgG isolated from pooled normal bovine serum as the immunogen. The antisera has been treated to remove lipoproteins and is supplied as a liquid with 0.1% sodium azide (see MSDS)* as a preservative.

Specificity

The antiserum shows a single arc of precipitation versus bovine serum and bovine IgG by immunoelectrophoresis (IEP). This antiserum has not been assayed for interspecies cross reactivity.

Identity and Purity

Identity and purity of the antibody is established by immunoelectrophoresis. 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.

Precipitin Analysis

Each milliliter of antiserum contains 3.7 mg of specific antibody. Normal bovine serum is used to determine the antibody concentration by a quantitative precipitation assay.

Protein Concentration = 82.5 mg/ml by Biuret.

Storage

For continuous use, store at 0-5°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.

Sigma warrants that its products conform to the information contained in this and other Sigma publications. Purchaser must determine the suitability of the products for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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