

## Product Information

### **Anti-Human IgG ( $\gamma$ -chain specific)**

produced in goat, delipidized, whole antiserum

Catalog Number **I1136**

#### **Product Description**

Anti-Human IgG antiserum is produced in goat using purified human IgG as the immunogen. The antiserum has been treated to remove lipoproteins.

Specificity for the  $\gamma$ -chain of human IgG is determined by immunoelectrophoresis (IEP). The antibody preparation is specific for human IgG when tested against purified human IgA, IgG, IgM, Bence Jones kappa and Bence Jones lambda myeloma proteins.

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 against the anti-goat IgG and multiple precipitation arcs against the anti-goat whole serum.

#### **Reagents**

Supplied as a liquid containing 15mM sodium azide as a preservative.

#### **Precautions**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### **Storage**

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

#### **Product Profile**

Protein concentration is determined by Biuret.

**Quantitative Precipitin Assay:** each milliliter of antiserum contains at least 4.0 mg of specific antibody. Normal human serum is used to determine the antibody concentration.

**Indirect ELISA:** a minimum working dilution of 1:40,000 was determined using 5  $\mu$ g/ml human IgG.

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

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