

Product Information

Anti-Goat IgG (whole molecule)

Produced in Rabbit, IgG Fraction of Antiserum

Product No. **G 5518**

Product Description

Anti-Goat IgG is developed in rabbit using purified goat IgG as the immunogen. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other rabbit serum proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the product followed by diffusion versus the anti-rabbit IgG and the anti-rabbit whole serum result in single arcs of precipitation in the gamma region.

Reagent

The product is supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions

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.

Product Profile

Total IgG Concentration: 6-15 mg/mL by absorbance at 280 nm ($E_{280}^{1\%} = 14.0$)

Precipitin Analysis

Each milliliter of antiserum contains 1.8-2.5 mg of specific antibody. Normal goat serum is used to determine the antibody concentration by a quantitative precipitation assay.

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 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.

KAA 11/05

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