

Product Information

Anti-Human IgG (whole molecule)

produced in rabbit, IgG fraction of antiserum

Catalog Number **I2011**

Product Description

Anti-Human IgG (whole molecule) is produced in rabbit using as immunogen purified human IgG. To ensure specificity the antiserum is adsorbed, if necessary, using solid phase techniques. Whole antiserum is fractionated and chromatographed by ion exchange chromatography to provide the IgG fraction.

The antiserum is determined to be immunospecific for human IgG by immunoelectrophoresis versus normal human serum and human IgG. Reactivity with light chains is observed.

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.

Reagents

Supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

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/Stability

For continuous use, store at 2-8 °C. 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

Quantitative Precipitin Assay: each milliliter of antiserum contains 3.0-4.0 mg of specific antibody. Normal human serum is used to determine the antibody concentration.

Indirect ELISA: a minimum working dilution of 1:80,000 is determined using 5 µg/ml human IgG

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

DS,KAA,PHC 04/13-1