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Product Information

ANTI-RAT IgG (WHOLE MOLECULE) Affinity Isolated Antigen Specific Antibody Developed in Goat

Product No. **R 5130**

Product Description

Anti-rat IgG (whole molecule) is developed in goat using purified rat IgG as the immunogen. Antibody is isolated from goat anti-rat IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, that do not specifically bind to rat IgG.

The antibody preparation is determined to be immunospecific for rat IgG by immunoelectrophoresis (IEP) against normal rat serum and rat IgG.

Identity and purity of the antibody is established by immunoelectrophoresis. Electrophoresis of the antibody preparation followed by diffusion against anti-goat IgG and anti-goat whole serum results in single arcs of precipitation.

Reagents

The purified antibody is lyophilized from 0.01 M sodium phosphate, 0.015 M sodium chloride, pH 7.2, to which no preservatives have been added.

Reconstitution

To one vial of lyophilized powder add sufficient 0.135 M sodium chloride to achieve a 1mg/ml solution of antibody. Rotate vial gently until powder dissolves. This will yield a protein solution in 0.01 M phosphate buffered saline.

Storage/Stability

Store the product at 2-8 °C.

After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

Product Profile

One milligram of affinity isolated antibody will react with 0.5-2.0 mg of rat IgG as determined by single radial immunodiffusion (Becker).¹

References

1. Becker, W., *Immunochemistry*, **6**, 539 (1969)

JWM/DAA 3/2004

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