

Product Information

ANTI-RAT IgG (WHOLE MOLECULE)

Developed in Rabbit

Affinity Isolated Antigen Specific Antibody

Adsorbed with Human IgG

Product No. R 3756

Product Description

The antiserum is developed in rabbit using rat IgG purified from pooled normal rat serum as the immunogen.

Affinity isolated specific antibody is purified from rabbit anti-rat IgG antiserum to remove essentially all rabbit serum proteins including immunoglobulins which do not specifically bind to rat IgG. The antibody preparation is solid phase adsorbed with human IgG to ensure minimal cross reactivity in tissue or cell preparations. The purified antibody is supplied as a liquid in 0.01M phosphate buffered saline, pH 7.4, containing 0.1% sodium azide (see MSDS)* as a preservative.

Cross-reactivity of the product is determined by immunoelectrophoresis (IEP) and Ouchterlony Double Diffusion (ODD). The antibody shows no reactivity with human IgG.

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

Product Profile

IgG Concentration = 2.0-2.5 mg/ml by absorbance at 280nm ($E_{280}^{1\%} = 14.0$).

Each milliliter of antiserum contains 2.0-2.5 mg of specific antibody. Normal rat serum is used to determine the antibody concentration by a quantitative precipitation assay.

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.

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.

PCS1/01

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications.

Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.