

Product No. R-3631
Anti-Rabbit IgG (whole molecule)
Developed in Sheep
Affinity Isolated Antibody
Adsorbed with Human IgG

Lot 073H4803

Antiserum is developed in sheep using purified rabbit IgG as the immunogen. Affinity isolated antigen specific antibody is obtained from sheep anti-rabbit antiserum by immunospecific purification which removes essentially all sheep serum proteins, including immunoglobulins, which do not specifically bind to rabbit 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 0.01 M phosphate buffered saline, pH 7.4, containing 0.1% sodium azide (see MSDS)* as a preservative.

Specificity

The antiserum is determined to be immunospecific for rabbit IgG by immunoelectrophoresis (IEP) versus normal rabbit serum and rabbit IgG. No reactivity is observed versus human IgG.

Identity and Purity

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

Protein Content

Protein Concentration = 2.5 mg/ml by absorbance at 280nm ($E_{280}^{1\%} = 14$).

Precipitin Analysis

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

Storage

For continuous use, store at 0-5°C. 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.

*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.

This sheep antiserum was heated to 56°C for one hour and tested after treatment to meet USDA requirements.

Sigma warrants that its products conform to the information contained in this and other Sigma publications. Purchaser must determine the suitability of the products for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Issued 04/94