



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: [techserv@sial.com](mailto:techserv@sial.com)  
[sigma-aldrich.com](http://sigma-aldrich.com)

## Product Information

### ANTI-HAMSTER IgG (WHOLE MOLECULE) Developed in Rabbit Affinity Isolated Antigen Specific Antibody

Product No. H 1643

#### Product Description

The antiserum is developed in rabbit using hamster IgG purified from pooled normal hamster serum as the immunogen. Affinity isolated specific antibody is purified from rabbit anti-hamster IgG antiserum to remove essentially all rabbit serum proteins including immunoglobulins which do not specifically bind to hamster IgG.

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

#### Reagents

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.

#### 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

IgG Concentration = 2.0-2.3 mg/ml by absorbance at 280 nm ( $E_{280}^{1\%} = 14.0$ ).

#### Quantitative Precipitin Analysis

Each milliliter of antiserum contains 2.0-2.3 mg of specific antibody. Normal hamster 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.

Pcs12/99

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.