



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

## Product Information

**ANTI-GOAT IgG (whole molecule)**  
**Developed in Rabbit**  
**Affinity Isolated Antigen Specific Antibody**

Product No. **G 4018**

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

### Reagents

The purified antibody is supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

### Precaution and Disclaimer

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

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

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.

### Storage

For continuous use, store at 2-8 °C for a maximum of 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.

Pcs9/99