



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 Donkey
Affinity Isolated Antigen Specific Antibody

Product Number **G 6638**

Product Description

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

Antiserum is determined to be immunospecific for goat IgG by immunoelectrophoresis against normal goat serum and goat IgG.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion against anti-horse IgG and anti-donkey 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 yield a 1 mg/ml solution, rotate vial gently until powder dissolves.

Storage/Stability

This will yield a protein solution in phosphate buffered saline. Prior to reconstitution 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 0.4 to 2.0 mg of goat IgG as determined by single radial immunodiffusion.¹

References

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

JWM/KMR 06/02

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.