

Product Information

Anti-Mouse IgG (Whole Molecule) R-Phycoerythrin Conjugate

Antibody developed in Goat
Affinity Isolated Antigen Specific Antibody

P9287

Product Description

Anti-Mouse IgG (whole molecule) is developed in goat using purified mouse IgG as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to mouse IgG. The purified antibody is then conjugated to Sigma R-phycoerythrin (Cat. No. P8912) by a modification of the method of Kronick.¹

Specificity of the anti-mouse IgG antibodies is determined by immunoelectrophoresis (IEP) against mouse serum and mouse IgG, prior to conjugation.

The affinity purified antibody reacts with mouse IgG subclasses G1, G2a, G2b, and G3 and with mouse IgA and IgM by Ouchterlony Double Diffusion (ODD).

Identity and purity of the antibody is established by immunoelectrophoresis, prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion against anti-goat IgG and anti-goat whole serum results in single arcs of precipitation.

Reagents

Solution in 0.01 M phosphate buffered saline, pH 7.4, containing 0.1 mM EDTA, 1 mM iodoacetamide, 1% bovine serum albumin and 15 mM sodium azide.

Precautions and Disclaimer

Due to the sodium azide content, a Safety Data Sheet (SDS) for this product has been sent to the attention of the safety officer of your institution. Consult the SDS for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is also not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

Product Profile

The product is provided with a conjugate content of 0.1-1.5 mg/mL (prior to the addition of BSA).

The minimum working dilution of 1:20 was determined by indirect immunofluorescent labeling of chicken fibroblasts using Mouse Monoclonal Anti-β Tubulin (Cat. No. T4026) as the primary antibody.

In order to obtain best results, it is recommended that each individual user determine the optimum working dilution for their system by titration assay.

References

1. Kronick, M., J. Immunol. Methods, **92**, 1 (1986).
2. Jackson, A., and Warner, N., Manual of Clinical Laboratory Immunology, 3rd Edition, p. 226 (1986).

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