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Product Information

ANTI-RABBIT IgG (WHOLE MOLECULE) R-PHYCOERYTHRIN CONJUGATE

Affinity Isolated Antigen Specific Antibody
Antibody developed in Goat

Product No. **P 9537**

Product Description

Anti-Rabbit IgG is developed in goat using purified rabbit IgG as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-rabbit IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to rabbit IgG. The purified antibody is then conjugated to Sigma R-phycoerythrin (Product No. P 8912) by a modification of the method of Kronick.¹

Specificity of the antibody is determined by immunoelectrophoresis versus rabbit serum and rabbit IgG, prior to conjugation.

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

Reagents

The conjugate is supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA and 15 mM sodium azide as a preservative.

Precautions 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

The product is provided with a specific antibody content of 0.3 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 Rabbit Anti-Tubulin (Product No. T 3526) 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.

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.

References

1. Kronick, M., J. of Immunological Methods, **92**, (1986).

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