



## Product Information

### R-PHYCOERYTHRIN CONJUGATE ANTI-RABBIT IgG (whole molecule)

Antibody Developed in Goat

Product Number **P 9795**

#### Product Description

Antiserum 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 antibody preparation is solid phase adsorbed with human serum proteins to ensure minimal cross reactivity in tissue or cell preparations. The purified antibody is then conjugated to R-Phycoerythrin (Product No. P 8912) by a modification of the method of Kronick.<sup>1</sup>

Specificity of the purified antibody is determined by immunoelectrophoresis (IEP), prior to conjugation, versus normal rabbit serum and rabbit IgG. The antibody shows no reactivity with human serum proteins.

Identity and purity of the antibody is established by immunoelectrophoresis, 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 0.1 mM EDTA, 0.1 mM iodoacetamide, 1% BSA, and 0.1% 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.

#### Storage/Stability

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.

#### Product Profile

The minimum working dilution of 1:20 is determined by indirect immunofluorescent labeling of chicken fibroblasts using Rabbit Anti-Tropomyosin (Product No. T 3651) diluted 1:40, 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.N., J. of Immunological Methods, **92**, (1986).
2. Jackson, A.L., and N.L. Warner, Manual of Clinical Laboratory Immunology, 3rd Edition, p 226 (1986).

KMR 06/02

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