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ProductInformation

ANTI-HUMAN IgM (μ-CHAIN SPECIFIC) R-PHYCOERYTHRIN CONJUGATE

Affinity Isolated Antigen Specific Antibody Antibody Developed in Goat

Product No. P 9295

Product Description

Antiserum is developed in goat using purified human IgM as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-human IgM antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the μ-chain of human IgM. Goat anti-human IgM is conjugated to Sigma R-Phycoerythrin (Product No. P 8912) by a modification of the method of Kronick. Unbound phycoerythrin is removed by gel filtration chromatography.

Specificity for the μ -chain of human IgM is determined by Ouchterlony Double Diffusion (ODD). The antibody preparation is specific for human IgM when tested against purified human IgA, IgG, IgM, Bence Jones Kappa, and Bence Jones Lambda myeloma proteins, 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 provided as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 0.1 mM EDTA, 0.1 mM iodoacetamide, 1% BSA with 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.

Product Profile

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

A₅₆₇/A₂₈₀: 1.5-5.0

A minimum working dilution of 1:64 was determined by direct immunofluorescent labeling of human peripheral blood lymphocytes.

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. Do not freeze.

References

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

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