

Product Information

ANTI-HUMAN IgM (μ -CHAIN SPECIFIC) Affinity Isolated Antigen Specific Antibody Developed In Goat

Product No. **I 0759**

Product Description

Anti-Human IgM (μ -Chain Specific) is developed in goat using purified human IgM as immunogen. Affinity isolated antigen specific antibody is obtained by immunospecific purification to remove essentially all goat serum proteins, including immunoglobulins which do not specifically bind to human IgM (μ -chain). The antibody preparation is lyophilized from 0.01 M sodium phosphate, 0.015 M sodium chloride, pH 7.2, to which no preservatives are added.

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.

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

Product Profile

The protein content is determined after reconstitution with 1.0 ml of 0.135 M sodium chloride, by absorbance at 280 nm using $E_{280}^{1\%} = 14.0$.

One milligram of affinity isolated antigen specific antibody will react with 0.5-5.0 mg of human IgM as determined by single radial immunodiffusion.¹

Reconstitution and Storage

To one vial of lyophilized powder add sufficient 0.135 M sodium chloride to achieve a 1 mg/ml solution of antibody. Rotate vial gently until powder dissolves. This will yield a protein solution in 0.01 M 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.

Reference

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

JWM/DAA 05/02