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ProductInformation

ANTI-MOUSE IgA (α-CHAIN SPECIFIC)
Affinity Isolated Antigen Specific Antibody
Developed in Goat

Product Number **M 8769**

Product Description

Anti-mouse IgA(α-chain specific) is developed in goat using purified mouse IgA (myeloma protein) as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgA antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to α-chain of mouse IgA.

Specificity for the α-chain of mouse IgA is determined by Ouchterlony Double Diffusion (ODD). The antibody preparation is specific for mouse IgA when tested against purified mouse IgA,IgG1, IgG2a, IgG2b, IgG3, and IgM, myeloma proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). 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 purified antibody is lyophilized from 0.01 M sodium phosphate, 0.015 M sodium chloride, pH 7.2, to which no preservatives have been added.

Reconstitution

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.

Storage/Stability

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.

Product Profile

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

One milligram of affinity isolated antibody will react with 0.5-5.0 mg of mouse IgA as determined by single radial immunodiffusion (Becker).[1]

References

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

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