Product Information

ANTI-BIOTIN
Developed in Goat
Affinity Isolated Antigen Specific Antibody

Product Number B 3640

Product Description
Anti-biotin is developed in goat using biotin conjugated to carrier protein as the immunogen. Antibody is isolated from goat anti-biotin antiserum by immunospecific purification to remove essentially all goat serum proteins, including immunoglobulins, that do not specifically bind to biotin (vitamin H).

Identity and purity of the antibody is established by immunoelectrophoresis. 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 phosphate buffer, 0.015 M NaCl, pH 7.2 with no preservatives added.

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 purified antibody is immunospecific for biotin as determined by immunoelectrophoresis (IEP) using a biotin-carrier protein conjugate. No reactivity is observed when the antibody is diffused against the carrier protein without biotin.

The protein content is determined after reconstitution by absorbance at 280 nm using $E_{280}^{1%=14.0}$.

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

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