

Polyclonal Antibody to Biotin - Texas Red

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| Alternate names: | Vitamin B4 |
| Catalog No.: | AP09180TR-N |
| Quantity: | 20 mg |
| Concentration: | 10.0 mg/ml (by UV absorbance at 280 nm) |
| Background: | Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da. |
| Host / Isotype: | Rabbit / IgG |
| Immunogen: | Biotin conjugated to Keyhole Limpet Hemocyanin (KLH) |
| Format: | State: Lyophilized IgG fraction Buffer System: 0.01 M Sodium Phosphate, 0.14 M Sodium Chloride, pH 7.4 containing 10 mg/ml Bovine Serum Albumin (BSA) as stabilizer and 0.01% (w/v) Sodium Azide as preservative Label: Texas Red – (TM) Sulfonyl Chloride (Molecular Weight 625 daltons) <i>Absorption / Emission:</i> 596 nm / 620 nm <i>Molar Ratio:</i> 2.1 moles Texas Red(TM) per mole of Rabbit IgG Reconstitution: Restore with 2.0 ml of deionized water (or equivalent). For extended storage reconstitute product with 50% glycerol instead of water |
| Applications: | Immunofluorescence. Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody reacts to Biotin. |
| Add. Information: | Texas Red(TM) is a registered trademark of Molecular Probes Inc. |
| Storage: | Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |