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Product Specifications

Product: Biotin-SP-conjugated AffiniPure® F(ab')₂ Fragment Goat Anti-Mouse IgG + IgM (H+L) (minimal cross-reaction to Human, Bovine, and Horse Serum Proteins)

Code Number: 115-066-068

Lot Number: 92049

Physical State: Freeze-dried solid

Size: 0.5 ml

Antibody Concentration: 1.4 mg/ml

Suggested Dilution Range: 1:20,000 - 1:400,000 for ELISA and Western blotting using enzyme-conjugated streptavidin
1:500 - 1:5,000 for enzyme immunohisto/cytochemistry
1:200 - 1:1,000 for flow cytometry and fluorescence immunohisto/cytochemistry

Biotin-SP: d-Biotinyl-ε-aminocaproic acid-NHS ester

Buffer: 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6

Stabilizer: 15 mg/ml Bovine Serum Albumin (IgG-Free, Protease-Free)

Preservative: 0.05% Sodium Azide

Storage and Rehydration: Store freeze-dried solid at 2-8°C. Rehydrate with 0.5 ml dH₂O and centrifuge if not clear. Prepare working dilution on day of use. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid.

Extended Storage after Rehydration: Aliquot and freeze at -70°C or below. Avoid repeated freezing and thawing. Alternatively, add an equal volume of glycerol (ACS grade or better) for a final concentration of 50%, and store at -20°C as a liquid. **Expiration date:** one year from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.

Purity: The antibody was purified from antisera by a combination of pepsin digestion and immunoaffinity chromatography using antigens coupled to agarose beads. Fc fragments and whole IgG molecules have been removed.

Antibody Specificity: Based on immunoelectrophoresis and/or ELISA, the antibody reacts with both mouse IgG and IgM. It also reacts with the light chains of other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with human, bovine, and horse serum proteins, but it may cross-react with immunoglobulins from other species.