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Product Specifications

Product: Alexa Fluor® 594-conjugated AffiniPure F(ab')₂ Fragment Goat Anti-Human IgM, Fc_{5μ} Fragment Specific (minimal cross-reaction to Bovine Serum Proteins)

Code Number: 109-586-129

Lot Number: 127425

Physical State: Freeze-dried solid

Size: 0.75 mg (This product has been overfilled to ensure total recovery of stated quantity.)

Antibody Concentration: 1.5 mg/ml

Suggested Dilution Range: 1:100 - 1:800 for most applications

Fluorophore: Alexa Fluor®594 carboxylic acid
A_{max}=591; E_{max}=614

Fluorophore/Protein Absorbance Ratio: A₅₉₁/A₂₈₀ = 0.91

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

Reconstitution and Storage: Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 0.55 ml dH₂O and centrifuge if not clear. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. For 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. Note: adding glycerol reduces the stated protein concentration and dilution range by one-half. **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 the Fc_{5μ} portion of the human IgM heavy chain but not with human IgG, IgA, or the light chains of human 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 bovine serum proteins, but it may cross-react with IgM from other species.

Country of Origin: USA

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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