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Product Specifications

Product: Alexa Fluor® 488-conjugated AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, Fc_γ Fragment Specific (minimal cross-reaction to Bovine, Mouse, and Rabbit Serum Proteins)

Code Number: 109-546-170

Lot Number: 98997

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®488 carboxylic acid
A_{max}=493; E_{max}=519

Fluorophore/Protein Absorbance Ratio: A₄₉₃/A₂₈₀ = 2.00

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 portion of human IgG heavy chain but not with the Fab portion of human IgG. No antibody was detected against human IgM or IgA, or against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with bovine, mouse, and rabbit serum proteins, but it may cross-react with immunoglobulins 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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