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## PRODUCT SPECIFICATIONS

**Product:** Fluorescein (FITC)-conjugated AffiniPure Rabbit Anti-Goat<sup>††</sup> IgG (H+L)

**Code Number:** 305-095-003

**Lot Number:** 72491

**Physical State:** Freeze-dried powder

**Size:** 1.5 mg (This product has been overfilled to ensure total recovery of stated quantity.)

**Antibody Concentration:** 1.5 mg/ml

**Suggested Dilution Range:** 1:50 - 1:200 for most applications

**Fluorophore:** Fluorescein-5-isothiocyanate (FITC-isomer 1)  
A<sub>max</sub> = 492 nm; E<sub>max</sub> = 520 nm

**Fluorophore/Protein:** 8.9 µg/mg; 3.3 moles FITC per mole IgG

**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 1.1 ml d. water 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, 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: after the addition of glycerol, the concentration of protein and buffer salts is one-half of the original. Alternatively, aliquot and freeze the product at -70°C or below in the absence of glycerol. Avoid repeated freezing and thawing. ***Expiration date:*** one year from date of rehydration.

**Purity:** The antibody was purified from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

**Antibody Specificity:** Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule goat IgG. It also reacts with the light chains of other goat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody 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.

**<sup>††</sup>Warning:** Bovine serum albumin (BSA) and dry milk may contain IgG. Secondary antibodies directed against bovine, goat, horse, or sheep react with bovine IgG. Therefore, use of BSA or milk to block or dilute these antibodies may significantly increase background and/or reduce antibody titer. For blocking, normal serum (5% v/v) from the host species of the labeled secondary antibody is recommended.