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## **Product Specifications**

**Product:** Alexa Fluor® 647-conjugated AffiniPure Goat Anti-Syrian Hamster IgG (H+L) (minimal cross-reaction to Bovine, Horse, Human, Mouse, Rabbit, and Rat Serum Proteins)

**Code Number:** 107-605-142

**Lot Number:** 114165

**Physical State:** Freeze-dried solid

**Size:** 1.0 mg (This product has been overfilled to ensure total recovery of stated quantity.)

**Antibody Concentration:** 1.3 mg/ml

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

**Fluorophore:** Alexa Fluor®647 carboxylic acid  
A<sub>max</sub>=651; E<sub>max</sub>=667

**Fluorophore/Protein Absorbance Ratio:** A<sub>651</sub>/A<sub>280</sub> = 4.20

**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 0.85 ml dH<sub>2</sub>O 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 immunoaffinity chromatography using antigens coupled to agarose beads.

**Antibody Specificity:** Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule Syrian hamster IgG. It also reacts with the light chains of other Syrian hamster 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, horse, human, mouse, rabbit, and rat 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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