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## Product Specifications

**Product:** Cy<sup>™</sup>5-conjugated AffiniPure Goat Anti-Mouse IgG, Fc<sub>γ</sub> Subclass 3 Specific (minimal cross-reaction to Human, Bovine, and Rabbit Serum Proteins)

**Code Number:** 115-175-209

**Lot Number:** 127210

**Physical State:** Freeze-dried solid

**Size:** 0.5 mg (This product has been overfilled to ensure total recovery of stated quantity.)

**Antibody Concentration:** 1.7 mg/ml

**Suggested Dilution Range:** 1:100 - 1:400 for most applications

**Fluorophore:** Cy5 bis-NHS ester  
A<sub>max</sub> = 650 nm; E<sub>max</sub> = 670 nm

**Fluorophore/Protein Absorbance Ratio:** A<sub>652</sub>/A<sub>280</sub> = 2.50

**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 0.35 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 antigen-binding assay and/or ELISA, the antibody reacts with the Fc portion of mouse IgG3 but not with other mouse IgG subclasses, mouse IgM, or the Fab portion of 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 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.

Cy is a trademark of GE Healthcare Bio-Sciences Ltd. Jackson ImmunoResearch is licensed by GE Healthcare Bio-Sciences Ltd. to manufacture and sell conjugates of Cy2, Cy3, and Cy5 reactive dyes under US Patent Number 5,268,486 and other patents pending.