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## Product Specifications

**Product:** DyLight™405-conjugated AffiniPure Goat Anti-Mouse IgG, F(ab')<sub>2</sub> Fragment Specific (minimal cross-reaction to Human, Bovine, and Horse Serum Proteins)

**Code Number:** 115-475-072

**Lot Number:** 124105

**Physical State:** Freeze-dried solid

**Size:** 1.0 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:** DyLight™405-TFP ester  
A<sub>max</sub>=400; E<sub>max</sub>=420

**Fluorophore/Protein Absorbance Ratio:** A<sub>400</sub>/A<sub>280</sub> = 0.48

**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 0.75 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 the F(ab')<sub>2</sub>/Fab portion of mouse IgG. It also reacts with the light chains of other mouse immunoglobulins. No antibody was detected against the Fc portion of mouse IgG or 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 horse 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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