



872 W. Baltimore Pike, West Grove, PA 19390  
800-367-5296, 610-869-4024, FAX:610-869-0171  
cuserv@jacksonimmuno.com, www.jacksonimmuno.com  
www.jireurope.com

## **Product Specifications**

**Product:** Alexa Fluor® 647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Mouse IgM,  $\mu$  Chain Specific

**Code Number:** 115-606-020

**Lot Number:** 129396

**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®647 carboxylic acid  
Amax=651; Emax=667

**Fluorophore/Protein Absorbance Ratio:** A651/A280 = 4.60

**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 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 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 heavy chain of mouse IgM but not with mouse IgG or the light chains of mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody may cross-react with IgM 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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