



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® 488-conjugated AffiniPure Goat Anti-Human IgG (H+L)

**Code Number:** 109-545-003

**Lot Number:** 135744

**Physical State:** Freeze-dried solid

**Size:** 1.5 mg

**Antibody Concentration:** 1.5 mg/ml

**Suggested Dilution Range:** 1:500 - 1:5,000 for immunohisto/cytochemistry  
1:5,000 - 1:100,000 for ELISA and Western blotting with chromogenic substrates  
1:10,000 - 1:200,000 for Western blotting with ECL substrates

**Peroxidase:** Purified from horseradish root

**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 (***Warning: Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.***)

**Reconstitution and Storage:** Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 1.1 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.

***Warning: Confirm that glycerol is ACS grade or better before adding to this product. Lower grades of glycerol may seriously inhibit peroxidase enzyme activity.***

**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 human IgG. It also reacts with the light chains of other human 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.