



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: 99265

Physical State: Freeze-dried solid

Size: 1.5 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®488 carboxylic acid
A_{max}=493; E_{max}=519

Fluorophore/Protein Absorbance Ratio: A493/A280 = 2.10

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 1.1 ml dH₂O 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 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.

This product is provided under an agreement between Life Technologies Corporation and Jackson ImmunoResearch Laboratories, Inc, and the manufacture, use, sale or import of this product is sold pursuant to a license from Life Technologies Corporation for use of its fluorescent dye technology. The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell or otherwise transfer this product or its components to any third party, or for any other commercial purposes. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 or outlicensing@lifetech.com.