

## Product Information

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| <b>Catalog Number:</b>             | 111-036-144   |
| <b>Product:</b>                    | Peroxidase-AffiniPure F(ab') <sub>2</sub> Fragment Goat Anti-Rabbit IgG (H+L) (minimal cross-reaction to Human, Mouse, and Rat Serum Proteins)  |
| <b>Physical State:</b>             | Freeze-dried solid  |
| <b>Size:</b>                       | 0.5 ml  |
| <b>Antibody Concentration:</b>     | ± 0.8 mg/ml (exact concentration lot dependent)   |
| <b>Conjugation:</b>                | Horseradish Peroxidase (HRP)  |
| <b>Suggested Dilution Range:</b>   | 1:500 - 1:5.000 for immunohisto/cytochemistry<br>1:5.000 - 1:100.000 for ELISA and Western blotting with chromogenic substrates<br>1:10.000 - 1:200.000 for Western blotting with ECL substrates  |
| <b>Buffer:</b>                     | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6  |
| <b>Stabilizer:</b>                 | 15 mg/ml Bovine Serum Albumin (IgG-Free, Protease-Free)   |
| <b>Preservative:</b>               | None (Warning: Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.)   |
| <b>Purity:</b>                     | 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.   |
| <b>Antibody Specificity:</b>       | Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule rabbit IgG. It also reacts with the light chains of other rabbit 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, mouse, and rat serum proteins, but it may cross-react with immunoglobulins from other species.  |
| <b>Reconstitution and Storage:</b> | Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 0.5 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.<br>Expiration date: one year from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.<br>(Warning: Confirm that glycerol is ACS grade or better before adding to this product. Lower grades of glycerol may seriously inhibit peroxidase enzyme activity.) |
| <b>Safety Information:</b>         | This product contains no substances considered to be hazardous to health. Although the product is classified as non-hazardous, Standard Laboratory Practices should be followed when handling this material.  |

**Note:** This information sheet contains general product information only. For detailed lot specific information consult the vial label and the data sheet supplied by the manufacturer upon delivery of the product.

**This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.**

### Manufacturer:

**Jackson ImmunoResearch Laboratories, Inc.**  
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### Distribution and Support:

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