

## Product Information

<b>Catalog Number:</b>	112-035-075
<b>Product:</b>	Peroxidase-AffiniPure Goat Anti-Rat IgM, $\mu$ Chain Specific (minimal cross-reaction to Human, Bovine, and Horse Serum Proteins)
<b>Physical State:</b>	Freeze-dried solid
<b>Size:</b>	1.0 ml
<b>Antibody Concentration:</b>	$\pm$ 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 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
<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 immunoaffinity chromatography using antigens coupled to agarose beads.
<b>Antibody Specificity:</b>	Based on immunoelectrophoresis and/or ELISA, the antibody reacts with the heavy chain of rat IgM but not with rat IgG or the light chains of rat 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, bovine, and horse serum proteins, but it may cross-react with IgM from other species.
<b>Reconstitution and Storage:</b>	Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 1.0 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.)
<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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