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Product Specifications

Product: Rhodamine Red™-X-conjugated AffiniPure Mouse Anti-Rabbit IgG (H+L) (minimal cross-reaction to Human, Goat, Mouse, and Sheep Serum Proteins)

Code Number: 211-295-109

Lot Number: 113163

Physical State: Freeze-dried solid

Size: 1.0 mg (This product has been overfilled to ensure total recovery of stated quantity.)

Antibody Concentration: 1.5 mg/ml

Suggested Dilution Range: 1:50 - 1:200 for most applications

Fluorophore: Rhodamine Red-X-NHS ester (5-isomer)
A_{max} = 570 nm; E_{max} = 590 nm

Fluorophore/Protein Absorbance Ratio: A₅₇₀/A₂₈₀ = 1.00

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 0.75 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 rabbit IgG. It also reacts with the light chains of other rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody exhibits inherent minimal cross-reaction to mouse serum proteins and has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with human, goat, mouse, and sheep 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.

*Rhodamine Red-X is a trademark of Molecular Probes, Inc. Jackson ImmunoResearch is licensed by Molecular Probes, Inc. to manufacture and sell conjugates of Rhodamine Red-X reactive dye.