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## **Product Specifications**

**Product:** Peroxidase-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Human Serum IgA,  $\alpha$  Chain Specific

**Code Number:** 109-036-011

**Lot Number:** 107485

**Physical State:** Freeze-dried solid

**Size:** 0.5 ml

**Antibody Concentration:** 0.8 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:** None (*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 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. ***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 a combination of pepsin digestion and immunoaffinity chromatography using antigens coupled to agarose beads. Fc fragments and whole IgG molecules have been removed.

**Antibody Specificity:** Based on immunoelectrophoresis and/or ELISA, the antibody reacts with the heavy chain of mouse IgA but not with mouse IgG or IgM. No antibody was detected against non-immunoglobulin serum proteins. The antibody may cross-react with IgA 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.