



**GOAT ANTI-RABBIT IgG (H+L) FITC CONJUGATED**  
**SPECIES ADSORBED: Hu, Ms, Rt**  
**POLYCLONAL ANTIBODY**

|                        |        |                      |          |
|------------------------|--------|----------------------|----------|
| <b>CATALOG NUMBER:</b> | AP187F | <b>QUANTITY:</b>     | 1.5 mg   |
| <b>LOT NUMBER:</b>     | xxx    | <b>HOST/ISOTYPE:</b> | Goat IgG |

**BACKGROUND:** IgG is one of the most abundant protein in human serum. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be  $10^{11}$  variants.

**SPECIFICITY:** The antibody reacts with whole molecule rabbit IgG. It also reacts with the light chains of other rabbit immunoglobulins. The antibody has been tested by ELISA and adsorbed to ensure minimal cross-reaction with human, mouse and rat immunoglobulins.

**APPLICATIONS:** ELISA: 1:50-1:200  
Immunofluorescence: 1:50 – 1:200  
*Optimal working dilutions must be determined by the end user.*

**SPECIES REACTIVITY:** Reacts with whole molecule rabbit IgG. Minimal cross-reaction with human, mouse and rat immunoglobulins. Reactivity with other species has not been determined.

**PRESENTATION:** Purified from immunoaffinity chromatography. Lyophilized from 0.01 M Sodium Phosphate, 0.25 M NaCl, pH 7.6, 15 mg/ml Bovine Serum Albumin (Protease-Free, IgG-Free) and 0.05 Sodium Azide.

**STORAGE/HANDLING:** Maintain lyophilized product at 2°-8°C for up to 12 months. After reconstitution the product is stable for six weeks at 2°-8°C in the dark as an undiluted liquid. Reconstitute vial with distilled water (addition of 1 ml water will yield a final concentration of 1.5 mg/mL). For extended storage after reconstitution, add an equal volume of glycerol to make a final concentration of 50% glycerol followed by storage at -20°C in undiluted aliquots for up to 12 months. Please note the concentration of protein (and buffer salts) will decrease to one-half of the original after the addition of glycerol. Avoid repeated freeze thaw cycles. Keep away from light.



**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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