

**Biotin-Labeled  
Affinity Purified Antibody  
To Human IgG ( $\gamma$ ), F(ab')<sub>2</sub>**  
*Produced in Goat*  
**Catalog No. Size**  
**216-1002 1.0 mg**



**DESCRIPTION**

F(ab')<sub>2</sub> fragment purified by size exclusion from a pepsin digest of affinity purified antibody isolated from a pool of serum from goats immunized with purified human IgG was labeled with a biotin analog having a long carbon spacer arm. This minimizes steric hindrance and maximizes binding.

**FORM/STORAGE**

Lyophilized. Store at 2-8°C until rehydrated. Stable for a minimum of 1 year when stored at 2-8°C.

**STABILIZER AND PRESERVATIVE**

Bovine serum albumin (BSA) is added as a protein stabilizer. No preservative added. Additional biological protection may be provided with 0.1% sodium azide. Non-sterile.

**ANTIBODY CONCENTRATION**

The concentration of affinity purified antibody is 1.0 mg as determined by UV absorbance at 280 nm.

**SPECIFICITY/CROSS REACTIVITY**

Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with human IgG. This antibody will not bind to the Fc receptors present on certain cell surfaces. Reactivity to specific IgG subclasses has not been tested. Antibodies to human IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared. This product has been adsorbed with purified human IgA and IgM. Reactivity has not been characterized to other human immunoglobulins.

**REHYDRATION AND STORAGE**

**Note:** Rehydration of antibodies in TBS or buffers other than those listed here is not recommended.

**Rehydration:** Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved.

**Storage:** This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. Stable for a minimum of 1 year at -20°C.

**SUGGESTED WORKING DILUTIONS**

Optimal working concentrations should be determined experimentally. Prepare working dilution in non-avidin or non-biotin containing solutions such as 0.1 M TBS with 0.01% Tween 20 or BSA immediately before use. This buffer is not recommended for long term storage.

Suggested starting dilutions are as follows. In many cases, the antibody may be diluted further than indicated.

**ELISA:**

1:2000 - 1:10000 0.5 µg/mL - 0.1 µg/mL

**Blotting:**

1:2000 - 1:10000 0.5 µg/mL - 0.1 µg/mL

**Histo/Cytochemical Procedures:**

1:100 - 1:1000 10.0 µg/mL - 1.0 µg/mL

**PRODUCT SAFETY AND HANDLING**

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Disposal via sanitary sewer.

**RELATED PRODUCTS**

BSA Diluent/Blocking Solution	Cat. No. 50-61-00
5X Detector Block	Cat. No. 71-83-00
Coating Solution Concentrate	Cat. No. 50-84-00
Wash Solution Concentrate	Cat. No. 50-63-00
AP Streptavidin	Cat. No. 15-30-00
HRP Streptavidin	Cat. No. 14-30-00

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