

# Peroxidase-Labeled Antibody To Goat IgG (H+L)



*Produced in Rabbit*

**Catalog No.** **Size**  
**14-13-06** **0.5 mg**

## DESCRIPTION

Affinity purified antibody isolated from a pool of serum from rabbits immunized with purified goat IgG was labeled with peroxidase by the periodate method of Nakane and Kawaoi (1).

## 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

Rabbit serum added as a protein stabilizer. No preservative added. Additional biological protection may be provided with 0.01% thimerosal. DO NOT USE SODIUM AZIDE. Non-sterile.

## ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 0.5 mg as determined by UV absorbance at 280 nm.

## E/P RATIO

Molar enzyme/antibody protein ratio = 4:1

## SPECIFICITY/CROSS REACTIVITY

Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with goat IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Reactivity to IgG subclasses has not been tested. Antibodies to goat IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared.

## REHYDRATION/STORAGE

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

### Procedure A: 50% Glycerol

At a working dilution, the level of glycerol is too small to affect most assays. The use of glycerol is not recommended when the conjugate is used in live cell work.

**Rehydration:** Add 0.5 mL reagent quality water to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Add 0.5 mL glycerol to the product vial. Pipette up and down several times to ensure proper mixing.

**Storage:** This product may be stored either refrigerated or frozen as desired. Stable for a minimum of 1 year.

### Procedure B: KPL's HRP Stabilizer

**Rehydration:** Rehydrate with 1 mL of KPL's HRP Stabilizer (see RELATED PRODUCTS). Rotate the vial until the lyophilized pellet is totally dissolved.

**Storage:** This product should be stored at 2-8°C. Stable for a minimum of 1 year.

### Procedure C: H<sub>2</sub>O

**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 TBS or other buffer such as BSA or Milk Diluent/Blocking Solution (See RELATED PRODUCTS) immediately before use. These buffers not recommended for long term storage. Suggested starting dilutions are as follows. In many cases, the antibody may be diluted further than indicated.

### ELISA:

1:500 - 1:2500                      1.0 µg/mL - 0.2 µg/mL

### Blotting:

1:2500 - 1:10000                      0.2 µg/mL - 0.05 µg/mL

### Histo/Cytochemical Procedures:

1:100 - 1:250                      5.0 µg/mL - 2.0 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.

# **Peroxidase-Labeled Antibody To Goat IgG (H+L)**



*Produced in Rabbit*

**Catalog No.** Size  
**14-13-06** **0.5 mg**

---

## **REFERENCES**

1. Nakane, P K., and Kawaoi, A. (1974). *J. Histochem. Cytochem.* 22:1084.

## **RELATED PRODUCTS**

HRP Stabilizer	Cat. No. 54-15-01
5X Detector Block	Cat. No. 71-83-00
BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Milk Diluent/Blocking Solution	Cat. No. 50-82-01
Coating Solution Concentrate	Cat. No. 50-84-00
Wash Solution Concentrate	Cat. No. 50-63-00
SureBlue Microwell Substrate	Cat. No. 52-00-01
ABTS Microwell Substrate	Cat. No. 50-66-00
TMB Membrane Substrate	Cat. No. 50-77-03
HistoMark <sup>®</sup> TrueBlue	Cat. No. 54-78-00

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Nothing disclosed herein is to be construed as a recommendation to use this product in violation of any patents. The information presented above is believed to be accurate. However, said information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product. No claims beyond replacement of unacceptable material or refund of purchase price shall be allowed. All claims regarding product performance must be made within 30 days following date of delivery.

### **Limited Use License**

The purchase of this product conveys to the buyer the non-transferable right to use the product in research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or materials made by use of this product to a third party or otherwise use this product or materials made with this product for Commercial Purposes without written approval of KPL, Inc. For additional information, please visit [www.kpl.com](http://www.kpl.com) or the KPL catalog. To obtain a license or approval to use this product for purposes other than those permitted above, contact Director of Sales at (301) 948-7755.