

**Biotin-Labeled
Affinity Purified Antibody
To Rat IgG (H+L)
(Mouse Serum Adsorbed)**

Produced in Goat

Catalog No. Size

16-16-12 0.5 mg



DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with purified rat 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 0.5 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 rat IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Reactivity to specific IgG subclasses has not been tested. Antibodies to rat IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared. Cross-reactivity with normal mouse serum has been minimized with affinity procedures. Some cross reactivity against purified mouse IgG may remain.

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:	
1:1000 - 1:5000	0.5 µg/mL - 0.1 µg/mL
Blotting:	
1:1000 - 1:5000	0.5 µg/mL - 0.1 µg/mL
Histo/Cytochemical Procedures:	
1:50 - 1:500	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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