

Product Data Sheet

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**Rabbit Anti-Monkey IgG (H+L-Chain)-Peroxidase (Affinity Purified)**

Catalog No. 70021R      Size: 0.5 ml      Form: Liquid      Lyophilized

Storage: Store at 4°C for short term and frozen at -20°C for long term

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**Description**

**Rabbits** were immunized with antigen grade monkey (Rhesus) IgG. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-monkey IgG were labeled with highly purified preparation of horse radish peroxidase by periodate method (1). This antibody is also made in **goats** (Cat # 70020).

**Form and Storage**

The conjugate is provided as **liquid** (0.5 mg/0.5 ml) in a peroxidase stabilizing buffer in phosphate buffered saline (0.1M PBS, pH 7.4) and 0.02% merthiolate as preservative. The product can be stored at 4°C for 1-2 weeks. It is recommended to store the product at -20°C in suitable aliquots, and it is stable for a minimum of 1 year. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must not be added in any buffers exposed to peroxidase. **Lyophilized product** should be reconstituted in water and dissolved at room temp. for 15 min with gentle shaking. It is recommended to store the product at -20°C in suitable aliquots, and it is stable for a minimum of 1 year.

**Purity/Specificity**

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 1:1.

Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with monkey IgG. Since the antibody was raised to whole IgG (H+L chain), the conjugate will detect monkey IgG, IgA, and IgM. The antibody may also recognize other species IgG's, particularly IgG's from other related monkeys. However, no antibody is detected to other serum proteins.

**Recommended Working Dilution for ELISA**

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. However, dilution of 1:1000-1:10,000 for ELISA and Western, and 1:200-1:1000 for immunohistochemistry may be used as starting point. Working solution should be prepared immediately before use and any unused diluted solution should be discarded.

Refs. (1). Farr & Nakane (1981) J. Immunol. Methods 47, 129-144.

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**Related Material available for ADI**

Single solution, ready to use, TMB substrates for Blotting & ELISA

Anti-Rabbit, Mouse, Human, Goat, Chicken, and monkey IgG-**HRP conjugates**

StainAll **reversible dye for Immunoblotting** (visualize transfer of proteins on blotting membranes within seconds)

**Western blot recycling kit** (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

**Chemiluminescence Substrates and Western blot kits**

This product is considered non-hazardous as defined by OSHA (CFR 1910.1200. Nov 25, 1983). It can be disposed of in the drain.

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