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**Product Data Sheet**

**Biotinylated Rabbit IgG**

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**Cat#** 20009-BT-1

**Size:** 1 mg

**Form:** Liquid

Lyophilized

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### Description

A healthy non-immunized population of rabbits was used to collect serum. IgG was prepared by ammonium sulfate, and column chromatography (Sephadex, and DEAE-ion exchange columns). The resulting preparation was judged to be >95% pure by IEP and SDS-Page. Purified IgG was biotinylated using biotinamidocaproate N-hydroxysuccinimide ester (BAC). Biotin to protein ratio is 10-20 BAC per IgG molecule.

### Form and Storage

The normal rabbit IgG is provided as liquid (10 mg/ml in PBS pH 7.4 containing 10 mg/ml BSA as stabilizer and 0.05% sodium azide as preservative) or in lyophilized form. The product should be **stored at 4°C** for short term and -20°C for long term storage. It is stable for a minimum of 1 year. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must be avoided if used with antibody-HRP conjugates.

The **lyophilized products** should be dissolved in water (add 1ml water to prepare 1 mg/ml solution) by gentle rocking or vortexing at room temperature. Centrifuge the solution briefly (10,000 g, 15 min) to remove any particulate matter. It should be aliquoted and stored frozen for long term use.

### Suggested Uses

This preparation of normal biotinylated rabbit IgG is suitable for coating the ELISA plates or as a non-immune control for ELISA, dot blot, Western or IHC. Recommended testing concn. is approx. 1-2 ug/ml. It is, however, possible that this preparation may be unsuitable for some antigens or cell/tissue extracts and may give slightly higher background. Switching to another preparation from different rabbits or vendor may alleviate this problem.

*This product is for in vitro research use only.*

#### MSDS:

Please note that although the product is defined as not hazardous, it is still advisable to follow prudent laboratory practices when handling laboratory reagents.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

Anti-rabbit IgG, Chicken, Mouse, Human IgG-HRP/AP Conjugates are also available.

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#### India Contact:

#### Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)