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**Normal Rat IgG Control, purified**

**Cat #** SA-20005-1-200  
**Storage:** Store at -20oC

**Size:** 0.5 ml

**Form:** Liquid

Lyophilized

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### Description

A healthy non-immunized population of adult Rat (mixed sex) 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.

### Form and Storage

The normal Rat IgG is provided as liquid (SA-200 ug/0.5 ml in PBS pH 7.4 + 0.05% sodium azide as preservative) or in lyophilized form (amount of protein stated on the vial). The powder product should be **stored at 4°C** for short term and -20oC 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 PBS, pH 7.4 to prepare desired concentration by gentle rocking or vortexing at room temperature. Centrifuge the IgG 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 Rat 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. 1-10 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 Rat or vendor may alleviate this problem.

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

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**MSDS:** A Material Safety Data Sheet is not required for this product. The product does not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1SA-200, the OSHA Hazard Communication Standard. The product contains natural purified proteins in a buffer containing 0.1% or less sodium azide. MSDS can be consulted for these items. 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.

### Related Items available from GSI

Rat IgG (total), IgG, IgM, IgE, IgA ELISA kits  
Anti-Rat IgG antibody detection ELISA kits  
2<sup>nd</sup> antibodies to Rat IgG and Isotype

SA-20005-1-200

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