



# GENEMED SYNTHESIS, INC.

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## Product Data Sheet

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### Normal Rat IgG F(ab')<sub>2</sub> fragment, purified

**Cat #** SA-20005-1-FAB2

**Size:** 1 mg

**Form:** Liquid

Lyophilized

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#### Description

A healthy non-immunized population of normal rat was used to collect serum. This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat IgG, anti-Rat IgG F(ab')<sub>2</sub> and anti-Rat Serum. No reaction was observed against anti-Rat IgG F(c) or anti-Pepsin.

#### Form and Storage

The IgG-Fab<sub>2</sub> is provided as liquid (1 mg/ml in PBS pH 7.4) 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.

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 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 IgG-Fab<sub>2</sub> 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 µg/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 mouse or vendor may alleviate this problem.

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

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

**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 1910.1200, 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.

SA-20005-1-FAB2      140228VP