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Rat IgG (Fc) fragment, purified

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

Size: 0.5 mg;

Form: Liquid

Lyophilized

Description

This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat Serum, anti-Rat IgG and anti-Rat IgG F(c). No reaction was observed against anti-Rat IgG F(ab')₂ or anti-Papain.

Form and Storage

Rat IgG (Fc) fragment is provided as liquid (1 mg/ml in PBS pH 7.4 + 0.05% sodium azide as preservative) or in lyophilized form (amount of protein stated on the vial). The product should be **stored at 4°C** for short term and -20oC for long term storage. Alternatively, for extended storage mix liquid with an equal volume of glycerol, aliquot contents and freeze at -20°C or below. It is stable for a minimum of 1 year. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must be removed 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 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.

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), IgG1-3, IgM, IgE, IgA ELISA kits
Anti-Rat IgG antibody detection ELISA kits
2nd antibodies to Rat IgG and Isotype

SA-20005-1-Fc

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