



Product Data Sheet

Human Serum IgG (Fc) Fragment

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|--------------------------|---------------------|---------------------|--------|
| Cat # 20007-F100 | Size: 100 ug | Form: Liquid | Powder |
| Cat # 20007-F1000 | Size: 1 mg | Form: Liquid | Powder |

Description

Human normal serum IgG (Fc) fragment was prepared by a series of purification steps which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis. Immunoelectrophoresis of purified Fc-fragment resulted in a single precipitin arc against anti-Human Serum, anti-Human IgG and anti-Human IgG F(c). No reaction was observed against anti-Human IgG F(ab')₂ or anti-Papain.

Form and Storage

Purified human IgG (Fc) is provided as liquid (1 mg/ml) solution in PBS pH 7.4 + sodium azide (0.05%) 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.

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 human IgG (Fc) is suitable for coating the ELISA plates or as a control for ELISA, dot blot, Western or IHC. Recommended testing concn. is approx. 1-0 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 source or vendor may alleviate this problem.

This product is for in vitro research use only.

Related products available form ADI

Human IgG, IgM, IgE, IgA ELISA kits

ELISA kits for the measurement of antibodies in human serum

Anti-Human IgG (biotin, HRP, FITC-conjugates)

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.

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