



Product Data Sheet

Human Plasma IgE Protein

Cat # 20007-3P

Size: 50 ug

Form: Liquid

Lyophilized

Storage: Store at 4°C

Description

Human plasma was used for the purification of IgE. IgG was prepared by ammonium sulfate, and column chromatography (Sephadex, and DEAE-ion exchange columns) and affinity chromatography. The resulting preparation was judged to be >96% pure by IEP and SDS-Page. Purified IgE produced a single arc against anti-human serum and anti-human IgE. It does not react with anti-human IgA, IgD, IgG and IgM in IEP assay.

Form and Storage

Human IgE is provided as liquid (1 mg/ml or 50 ug/50 ul in Tris buffer, pH 7.5 and 0.05% azide as preservative) as liquid or in lyophilized form. The 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. Due to low volume, it is recommended to briefly centrifuge the tubes, before opening the cap, to recover to solution at the bottom of the tube.

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 human IgE is suitable for coating the ELISA plates or as a control for other immunological assay, dot blot, Western etc. Recommended coating concn. is approx. 10 ug/ml for ELISA. 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.

Country of origin: All material is derived from US sources and USDA inspected and approved animal research facilities.

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. This material is sold for research purposes only and is not required to appear on the TSCA inventory.

All human derived material has been tested negative for HIV, HCV, and HbSAg. Nevertheless, all precautions should be taken and samples be treated as potentially hazardous.

This product is for in vitro research use only.

Related items available from ADI

Human IgA, IgE, IgG, IgM ELISA Kits

Purified human Ig's and antibody conjugates

ELISA kits to detect human serum antibodies

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