



Product Data Sheet

Human IgM Fab mu fragment (myeloma), purified

Cat No. 20007-4- **Size:** 1 mg **Form:** Liquid Lyophilized
Storage: Store at -20oC

Description

This product was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation, tandem molecular sieve chromatography and trypsin digestion followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum. No reaction was observed against anti-Human IgG F(c). Some light chain cross reactivity may occur with anti-Human IgG.

Form and Storage

Human IgM Fab mu fragment is provided as liquid (1 mg/ml or 100ug/100 ul in PBS pH 7.4 + sodium azide as preservative) or in lyophilized in the buffer. 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 IgM 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.

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.

MSDS:

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.

Human IgG, Igm, IgA, IgE ELISA kits and antibodies to various human IgM, IgG, are also available.

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