

Product Data Sheet

Normal/Control Human IgM

Cat# 20007-2	Size: 1 mg	Form: Liquid	Lyophilized
Cat# 20007-2-5	Size: 1 mg	Form: Liquid	Lyophilized
Cat# 20007-2-10	Size: 1 mg	Form: Liquid	Lyophilized

Description

A healthy non-immunized population of humans was used to collect serum. IgM was prepared by a combination of purification procedures: delipidation, selective precipitation, gel filtration, trypsin digestions, and dialysis. The resulting preparation was judged to be >95% pure by IEP against anti-human serum and no reaction against anti-human IgG F(c). Some light chain reaction may occur with anti-human IgG.

Form and Storage

Antibody concentration is determined by A280 (E0.1%=1.18). Human IgM is provided as liquid (1 mg/500 ul or 2 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. Sodium azide, an inhibitor of peroxidase, must be avoided 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 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 non-immune control for ELISA, dot blot, Western or IHC. Recommended testing concn. is approx. 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 mouse or vendor may alleviate this problem.

This product is for in vitro research use only.

A **Material Safety Data Sheet (MSDS)** is not required for this product.

The above product contain natural purified proteins in a buffer containing 0.02% sodium merthiolate or 0.05% azide. MSDS can be consulted for these two items. 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.

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.

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.

Related items

Human IgG, IgM, IgA, IgE ELISA kits

Anti-Human IgG, IgM, IgA, IgE (biotin, HRP, FITC) conjugates (secondary antibodies)

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