



Product Data Sheet

**Immunoglobulin M (kappa), Human Myeloma Plasma**

**Cat#** 20007-2-M

**Size:**  1 mg

**Form:**  Liquid

Lyophilized

**Storage:** -20oC

**Description**

Human myeloma pooled plasmas was used as a source of IgM. 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 IgM and human Kappa. No reaction against anti-human IgG F(c), IgG, IgA, IgD, and IgE. Light chain of this myeloma IgM is kappa. ADI also has lambda light chain IgM.

**Form and Storage**

Antibody concentration is determined by A280 (E0.1%=1.18). Human IgM is provided as liquid (1 mg/ml in PBS pH 7.4 + 0.05% sodium azide as preservative or or see lot sp. conc on the vial) 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. 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.

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.

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**

Catalog#	ProdDescription
1750	Human IgG (total) ELISA Kit, 96 tests, Quantitative
1760	Human IgM ELISA Kit, 96 tests, Quantitative
1770	Human Anti-Mouse Antibodies (HAMA) ELISA Kit, 96
1780	Human IgA ELISA Kit, 96 tests, Quantitative

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

*This product is for in vitro research use only.*

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