

Product Data Sheet

**Purified Rabbit IgM**

**Cat# 20039-100**                      **Size:** 100 ug  
**Cat# 20039-1000**                    **Size:** 1000 ug

**Form:** Liquid                                      Lyophilized                                      **Storage:** Store at -20oC

**Description**

A healthy non-immunized population of Rabbits 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and anti-Rabbit IgM ( $\mu$  chain specific). No reaction was observed against anti-Rabbit IgG F(c). Some light chain cross reactivity will occur with anti-Rabbit IgG.

**Form and Storage**

Antibody concentration is determined by A280 ( $E_{0.1\%}=1.18$ ). Rabbit IgM is provided as liquid (1 mg/500 ul or 2 mg/ml in PBS pH 7.4 (no preservative) 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. 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 Rabbit 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.

**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.

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

**Related items**

**Rabbit IgG, IgM, IgA, IgE ELISA kits**

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

20039-100, -1000                      71203A

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