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Product Data Sheet

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**Bovine IgM-Biotin Conjugate (control, non-immune), purified**

**Cat #** 20001-2-1-B

**Size:**  0.1 mg

**Form:**  Liquid

Lyophilized

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**Description**

A healthy non-immunized population of Bovine was used to collect serum. This product was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Bovine Serum and anti-Bovine IgM ( $\mu$  chain specific). No reaction was observed against anti-Bovine IgG F(c). Some light chain cross reactivity will occur with anti-Bovine IgG).

**Form and Storage**

**Cat# 20001-2-1-B, Biotin-conjugate**

Purified Bovine IgM was coupled to Biotin using ADI Biotinylation kit # 80300 at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 1 % BSA in either lyophilized (50 tests per vial) or liquid form (50 tests/100 ul or see lot sp. conc. on the vial). Reconstitute powder in PBS in 100 ul or more. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw. No preservatives have been added. Sodium azide (0.1%) or merthiolate (0.05%) can be added if necessary to prevent bacterial growth.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA. For other applications use as needed.

**Suggested Uses**

This preparation of normal Bovine 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. 1-10 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 bovine or vendor may alleviate this problem.

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

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Anti-rabbit IgG, Chicken, Mouse, Human IgG-HRP/AP Conjugates are also available.

**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.

20001-2-1-B

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