



Product Data Sheet

**Antibody/Conjugate Diluent**

**Cat. No.** 80070

**Size:** 50 ml

**Form:** 10X Solution

**Storage:** Store at 4<sup>0</sup>C

**Introduction**

Antigen or antibody coating on ELISA plates is commonly used as the first step in ELISA. This is followed by the blocking of the excess protein binding sites in the microwell not occupied by the coated antigen/ antibody. The use of appropriate antibody/conjugate diluents helps reduce the background in both ELISA and Western blotting. Alpha Diagnostic Intl. Inc. Antibody/Conjugate Diluent has been specially formulated for antibody or enzyme conjugate derived from goat antibodies.

**Form**

The Antibody/Conjugate Diluent concentrate is formulated using BSA, goat serum and contains 0.02% merthiolate as preservative. **It should not be used in applications where BSA/goat serum interferes with the assay. A red dye has been added to the solution for better visibility in an ELISA plate. It does not interfere with the assay.**

**Recommended Use**

Dilute 1:10 with distilled water before use. All rabbit/goat derived antibodies, conjugate should be diluted in 1X diluent. Do not store diluted antibody or conjugate. For some applications, it may be useful to dilute Antibody/Conjugate Diluent 1:5 to reduce background.

The Antibody/Conjugate Diluent is most compatible with high protein binding ELISA plates (Cat. No. 80011). It is not recommended for other applications such as membrane blocking (Western blotting, etc.).

**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 available from ADI**

Catalog#	ProdDescription
80012	High binding ELISA Strips plates (8 wellsx12 strips)
80050	ELISA Plate Coating buffer concentrate (10X)
80060	ELISA Plate Blocking Buffer concentrate (10X) BSA-based
80062	ELISA Plate Blocking Buffer concentrate (10X) milk-based
80070	Antibody and Conjugate Diluent for ELISA concentrate (10X)
80080	Wash buffer concentrate (20X) for ELISA
80081	Phosphate Buffered Saline (PBS, pH 7.4) concentrate (20X)
80091	TMB substrate (1-component) for ELISA
80100	Stop solution for TMB substrate (ELISA) concentrate (10X)
80110	Single solution TMB substrate (membrane) solution for western blot
80160	Rabbit Serum Antibody detection ELISA kit, Qualitative (mouse, goat, sheep, monkey, human, chicken kits are also available)

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