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Product data sheet

### Antibody/Conjugate Diluent

Cat. No. EW-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. Genemed Synthesis 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. EW-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 GSI

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

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