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Datasheet for ABIN925629

## TMB ELISA Peroxidase Substrate

### 1 Image

#### Overview

Quantity: 100 mL

Application: ELISA

#### Product Details

**Characteristics:** TMB ELISA Peroxidase Substrate (3, 3', 5, 5' - Tetramethylbenzidine) is a chromogenic substrate used to visualize antibody reactivity in ELISA experiments. In the presence of peroxidases, TMB can act as an electron donor for the conversion of peroxides to water, changing the color of solution to a blue color equivalent to the degree of reactivity. This reaction can be halted with acid to change the TMB to yellow.

Synonyms: 3,3',5,5'-Tetramethylbenzidine; TMB-E; TMBE

#### Application Details

**Application Notes:** TMB ELISA Peroxidase Substrate will produce a soluble blue end product read at 370 nm or 655 nm. TMB ELISA Peroxidase Substrate incubation time will vary depending on the assay conditions. No dilutions are required, TMB ELISA Peroxidase Substrate comes ready to use.

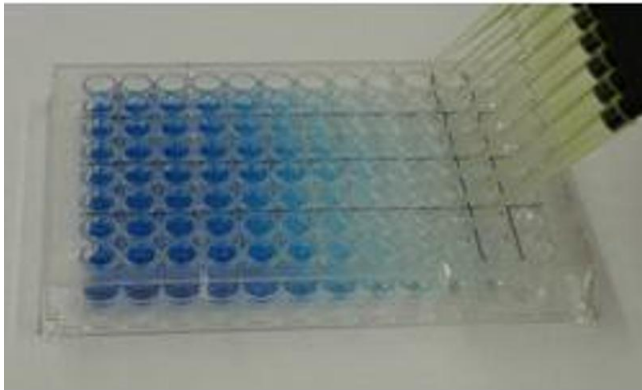
**Restrictions:** For Research Use only

#### Handling

Format: Liquid

Concentration: 1 X

Storage: 4 °C



## ELISA

**Image 1.** Immunochemicals produces a wide variety of buffers and substrates for use in ELISAs. Antigen was diluted in ELISA Microwell Coating Stabilizer (p/n MB-063-0100) added to the microwell plate and incubated overnight at 4°C. The plate was then blocked with ELISA Microwell Blocking Buffer with Stabilizer (p/n MB-064-1000) for 2 hours. The primary antibody was diluted in PBS Fish Gel Concentrate (1:10)(p/n MB-066-0100), added to the plate, and allowed to incubate 1 hour at room temperature. HRP conjugated secondary antibody was diluted in HRP Conjugate Stabilizer (p/n MB-060-0100), added to the plate, and allowed to incubate for 30 minutes at room temperature. TMB ELISA Peroxidase Substrate (p/n TMBE-1000) was added to the plate and allowed to incubate for 30 minutes at room temperature. The reaction was then stopped with 1M HCl and read at 450nm.