

3,3',5,5'-Tetramethylbenzidine Reagent | TMB reagent

3,3',5,5'-Tetramethylbenzidine (TMB) Substrate (1-Component) for ELISA

CATALOG #
AAA59110

PRODUCT SYNONYMS

3; 3'; 5; 5'-Tetramethylbenzidine; 5'-Tetramethylbenzidine (TMB) Substrate (1-Component) for ELISA; TMB reagent

PRODUCT SPECIFICATIONS

Components	TMB Substrate (1-Component) for ELISA
Protocol	1. Add 100ul of this product into each well. 2. Cover the plate and incubate at 37°C in dark within 30min. (Note: This incubation time is for reference use only, the optimal time should be determined by end user.) And the shades of blue can be seen in the first 3-4 wells (with most concentrated HRP), the other wells show no obvious color. 3. Add 100ul of the stop solution 0.1% NaF or 0.3M H₂SO₄ or 0.25M HCl into each well. 4. Read the O.D Absorbance at 650nm if use 0.1% NaF as the stop solution, or at 450nm if use 0.3M H₂SO₄ or 0.25M HCl as the stop solution.
Note	1. This product is sensitive to oxidizing agent, end users should ensure to avoid any possible contamination. 2. Use this product in dark, it is better to use the plastic containers to subpackage, do NOT use the metal or contaminated containers. 3. High concentration of HRP may lead to the TMB turns to green or red, or produce sediment, in this way, end users should decrease the amount of antibodies or HRP conjugations or reduce the incubation time.
Preparation and Storage	Store at 2-8°C for 2 years.

ADDITIONAL INFORMATION

Related Product Information for TMB reagent	1. The main component for this product is 3,3',5,5'-Tetramethylbenzidine, TMB, it was used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product. The density of blue is proportional to HRP activity. 2. It is ready to use substrate with one component, very stable for convenient use.
Product Categories/Family for TMB reagent	Assistive Reagent

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tmb-reagent/3355-tetramethylbenzidine/59110>