

TMB Substrate

Catalogue No.: abx299722

TMB Substrate is a ready-to-use reagent for use in ELISA. It reacts with horseradish peroxidase (HRP) to produce a blue colour. The reaction can be terminated by adding acidic stop solution (sulphuric or hydrochloric acid), which produces a stable yellow reaction product with absorbance maxima at 450 nm.

Target: TMB Substrate

Tested Applications: ELISA

Storage: Store in the dark between 2-8 °C.

Buffer: Contains 3,3',5,5'-Tetramethylbenzidine (TMB).

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use:

1. Add 100 µl of TMB to each microplate well.
2. Incubate in the dark at 37 °C for 20-30 min. The reaction can be terminated when the desired color develops.
3. Add 100 µl of stop solution (0.3 M H₂SO₄ or 0.25 M HCl) to each well.
4. Read the absorbance of each well at 450 nm within 15 minutes.

Notes:

- 0.1% NaF can be used as the stop solution instead of 0.3 M H₂SO₄ or 0.25 M HCl; the absorbance of each well should be read at 650 nm if using 0.1% NaF.
- Avoid contamination with oxidizing reagents.
- This product should be used in the dark. Do not use in metal containers.
- High HRP concentrations may cause the TMB to turn a green or red color and may cause precipitation to occur. If this occurs, it is recommended to reduce the HRP concentration in the sample or reduce the incubation time.