

Product information

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W-TMB Stain Kit

Catalog #: PW025
Size: 5 preps
Storage: 2~8°C*

*: Product will be shipped at ambient temperature. Check storage conditions.

Product Description:

3,3',5,5'-Tetramethylbenzidine or TMB is a chromogenic substrate used in staining procedures in immunohistochemistry and as a visualising reagent in enzyme-linked immunosorbent assays (ELISA). In solution, TMB forms a blue product when allowed to react with peroxidase enzymes such as horseradish peroxidase. The resulting colour change can be read on a spectrophotometer at a wavelength of 370 or 655 nm.

Storage and Transportation:

All reagents can be stored at 2-8°C.

Composition:

The kit is sufficient for 5 membranes (6 x 8 cm).

Solution A	2 x 1.3ml
Solution B	0.1 ml
Buffer C	50 ml

Protocol:

1. In Western Blot, immerse the membrane with corresponding HRP second antibody, and incubate at 37°C with rotation for about half an hour.
2. Wash the membrane with TBST or PBST wash buffer for 5 minutes, and repeat the wash step for 3-4 times.
3. Wash the membrane with TBS or PBS one more time.
4. Before carrying out chromogenic reaction, pipette 10 ml Buffer C, 0.5 ml Solution A and 4 µl of Solution B into a clean 15 ml brown bottle, then vortex and keep for the following experiments.
5. In a dark place, transfer the above mixture (from step 4) into the container that has the membrane. Incubate at 37°C with rotation for about 5-30 minutes, blue band will appear on membrane.
6. Take photo and analyze the result

Notes:

1. Control the colour reaction time within 10-30 minutes.
2. After usage, tightly close the lid of Buffer C, Solution A and Solution B.
3. 6 x 8 cm size membrane is recommended. If a larger membrane was used, please increase the volume of solution accordingly, so that the gel is completely immersed.
4. All reagents can be stored at 2-8°C, vortex Solution C before using it.
5. Colour reaction solution must be prepared fresh.



PRODUCTS ARE INTENDED FOR BASIC SCIENTIFIC RESEARCH ONLY.
NOT INTENDED FOR HUMAN OR ANIMAL USE.