ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Tetramethylbenizidine MEMBRANE (TMBM) (Ready-to-use) For Peroxidase

**Chromogen Substrate for Western, Northern, Southern, Slot or Dot Blots (One component)**

**Catalog number:** AR-8223-01 50 ml

AR-8223-02 100 ml

AR-8223-04 500 ml

**Description**: This 3,3'5,5’- tetramethylbenzidine (TMB) is a insoluble chromogen substrate for *horseradish peroxidase detection systems for Membrane* ***(for Western, Northern, Southern, Slot******or* Dot Blots).** This is ready to use one component system and gives aqua marine bands with peroxidase. This TMB solution contains TMB, 1.13 mMol L-1, Hydrogen Peroxide substrate, 1% DMSO, acetate buffer, pH 4.9 and non-toxic proprietary stabilizers.

**Intended Use**: Western. Northern, Southern, slot and slot or dot blots. It s ready to use and does not require any preparation.

**Storage: 2-8°C**

**Color:** Clear to light green color

**Application:**

1. After the peroxidase reaction, wash membrane thoroughly with PBS or Tris-HCl saline containing 0.1 % Tween 20. *DO NOT ADD THIMEROSAL, azide or phenolic compounds as preservative in any buffers.*
2. Cover membrane with TMBM solution and incubate with gentle rocking for 5-30 minutes till aqua blue color bands appear. *(If bands appear immediately; the concentration of peroxidase labeled probe is too high and should be further diluted).*
3. Stop reaction by washing thoroughly in distilled or deionized water. DO NOT WASH WITH BUFFER OR TAP WATER.

DO NOT INTRODUCE ANY ACID AT THIS STAGE, THE BANDS WILL TURN YELLOW.

***The optimum time of incubation for TMB should be determined by the individual lab.***

*ANOID EXPOSURE TO LIGHT*

**Discard if the solution is blue or turbid.**

**The reaction mixture can be discarded according to city, county, state, province or country’s regulations.**

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

---------------------------------------------------------------------------------------------------------------------------------

**For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY**

**“*In vitro* laboratory products for research”**

Phone: + 425 367 4601; Fax: + 425 367 4817; cell (mobile) phone: + 425 314 0199

Marketing phone: + 650 343 IBSC (4272); e-mail:anitaIBSC@aol.com

Web site: [www.immunobioscience.com](http://www.immunobiosci.com); E-mail: baderbo@gmail.com