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## **PRODUCT INFORMATION**

### **Sensitive DAB Stain Kit**

#### ***Product information for PW023:***

#### **Introductions:**

DAB,namely,3,3'-diaminobenzidine,as a chromogenic substrate of Peroxidase will lose electron, produce a gradually colour change and form insoluble dark brown matter when encountering H<sub>2</sub>O<sub>2</sub>.It can also be used for detection of activity of Peroxidase.When adding enhancer.the kit will have high sensitivity and can be used for immunochemical and western blot and so on.

#### **Compositions:**

Be used for dot blot and western blot and be made of Solution A,Solution B ,C and Reaction buffer ,can be used for five times.

1. Reaction buffer      50 ml
2. Solution A            1 ml
3. Solution B            0.51ml
4. Solution C            0.12 ml

#### **Storage Condition :**

Transportation at room temperature,after received ,store Solution A and Solution C at -20°C and avoid light ,store Reaction buffer and Solution B at 2-8°C.

#### **Usages:**

- 1:In western blot experiments,when the membrane was immersed by the corresponding HRP second antibody,incubate at 37°C and vibrate at rotator for more than one half an hour,then wash the membrane with TBST or BPST wash buffer for 5 minutes and repeat the wash step for 3-4 times ,then keep the membrane at dark place.
- 2.Before carrying out chromogenic reaction,pipet 10ml reaction buffer,0.2ml solution A, 100ul solution B and 20ul solution C into a clean 15ml brown bottle ,then vortex and keep for the following experiments.
3. At dark place,transfer the above 10ml mixed solution into the container that have the membrane,incubate at 37°C and vibrate at rotator for about 5 minutes or so, dark brown insoluble matter will appear on membrane.
- 4.Decant the above solution ,then wash the membrane with ddH<sub>2</sub>O for 3-4 times.
- 5.Take photo and analyze the result.

#### **Notices:**



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- 1.Before usage,heat the Solution A to 37°C to dissolve precipitates. Controll the colour reaction time in 3-5 minutes or so,in case exceeding colour ,furthermore effect the analysis of the result and have high noise-singal ratio.
- 2.After usage,please tightly screw up the lid of Reaction buffer ,Solution A, Solution B and C,in case the solution will volatilized and reacted with the components of air. Solution A and Solution B have damage to human being,please wear glove and clothes.
- 3.Recommend use 6x8cm size mmbrane,if you use a big membrane,please add the quantity of reagents proportionally,so as to completely immerse the membrane.
- 4.Please correctly prepare the reagent for western blot ,membrane tranference,antibody dilution and wash procedure,so as to reduce noise and have correct colour reaction.
- 5.Excep for Solution A and Solution C must store at -20°C and avoid light,the other reagents can store at low temperature and have one year expiration.meantime the complete colour reaction solution must prepare on the spot ,the residal mixture must be discarded .
- 6.All of reagents only can be used for in vitro experiments and container that contact Solution A and B must be immersed in the buffer(.3%KMnO<sub>4</sub> ,2%NaCO<sub>3</sub>) for more than 3 hours ,and then wash with ddH<sub>2</sub>O,so as to reduce damage to surrounding.