

Immunohistochemistry kit

SL-IHC100T

Period of validity:One year.

Specific: 100T

Reagents supplied:

| | Product | Size | Storage | Remark |
|---|--|-------|---------|--|
| 1 | Citrate buffer (0.01mol/L, pH6.0) | 1L | 4℃ | Solute in 1L of deionized water or distilled water |
| 2 | PBS buffer | 2L | 4℃ | Solute in 2L of deionized water or distilled water |
| 3 | DON-HRP-Conjugated polyase (anti mouse / rabbit) | 6mL | 4℃ | Non-frozen, 50μL per slice |
| 4 | 30% H ₂ O ₂ | 10mL | 4℃ | Dilute into 3% , ready to use |
| 5 | DAB solution I | 0.6mL | -20℃ | Ready to use |
| 6 | DAB solution II | 0.6mL | -20℃ | Ready to use |
| 7 | hematoxylin | 6ml | 4℃ | - |

Please store the kit separately according to the storage temperature requirements, and do not use the expired kit.

The other relate Reagents(Materials be required but not be supplied):

| | | |
|----|---|----------------|
| 1 | absolute ethyl alcohol | 500mL |
| 2 | 95% alcohol | 500mL |
| 3 | dimethylbenzene | 500mL |
| 4 | Neutral gum | 100mL/bottle |
| 5 | 4% paraformaldehyde | 100mL/bottle |
| 6 | HE Staining kit | 3×10mL |
| 7 | Primary antibody dilution | 10mL |
| 8 | Closed solution (normal goat serum) | 10mL |
| 9 | 5% BSA sealing fluid | 10mL |
| 10 | Sectioning box | 12/25/50/100 |
| 11 | 0. 1% trypsin liquid digestive solution | 10mL |
| 12 | Primary antibody(anti mouse/Rabbit) | 10/20/50/100ul |

The above items need to be purchased separately or buy it from sunlong biotech.

Staining procedure:

1. Grilling Slices and dewaxing

The slides bake in a 65°C constant-temperature oven for 1h; immerse in xylene I for 15min, and then immerse in xylene II for 15min.

2. Hydration

The dewaxed sections soak with 100% alcohol I, 100% alcohol II, 95% alcohol, 85% alcohol and 75% alcohol, and rinsed for 10min with tap water.

3. Antigen Repair

Repair 15min in medium with 0.01M sodium citrate buffer solution (reference 125°C • 103KPa) for natural cooling

4. blocking-up

Put the slides at 3% H₂O₂, incubate in wet boxe for 10min to eliminate the endogenous peroxidase activity.Wash it by PBS solution for 3min*3 times.

5. seal off

Put the slides in 5% BSA, incubate in wet boxes for 30min, and wash it by PBS solution for 3min*3 times.

6. Incubation primary antibody

Add primary antibody (select optimal dilution ratio), incubate in wet box and overnight at 4°C, wash it by PBS solution for 3min*3 times .

7. Incubation secondary antibody

Remove the PBS solution , add 50 μL of DON-HRP-Conjugated, incubate in wet box, and place it for 20min-30min at room temperature.Wash it by PBS solution for 3min*3 times

8. Coloration

DAB staining (mix DAB solution I and DAB solution II at 1 :1) and when the sections have color change, wash the staining solution by tap water immediately.

9. Hematoxylin staining

Hematoxylin re-fecte for 3min, 1% hydrochloride alcohol differentiation and microscopy to control the degree of staining. Rinse for 10min by Tap water.

10. Dehydrate

Samples soak in 75%, 85%, 95%, 100% alcohol I, and 100% alcohol II for 5min.

11. Transparency and sealing

Slides were placed in xylene for 3min*2 times, transparent and neutral gum sealed

12. Images acquisition and analysis

Photo pictures by a microscope, collect and analyze sample-relate sites.