Super Sensitive IHC Detection System Kit (Mouse/Rabbit)

Cat No: BD7001

introduction:

Super Sensitive IHC Detection System Kit is the latest technology in polymeric labeling. Polymer detection methods have been shown to provide increased sensitivity. This innovative polymer technology has major advantages than conventional IHC systems. Super Sensitive IHC Detection System amplifies the signal with both mouse and rabbit primary antibodies. Background noise due to nonspecific binding to endogenous biotin molecules is eliminated, because Super Sensitive IHC Detection System is not a biotin/avidin based system, which eliminates the background noise due to nonspecific binding to endogenous biotin. The Super Sensitive IHC Detection System Kit provides the user with a rapid, easy to use, and versatile IHC detection system.

Reagents:

A: Hydrogen Peroxide Blocking Reagent 5 ml
B: Blocking Reagent 5 ml
C: HRP Polymer 100 µl
D: HRP Polymer Diluent 5 ml
E: DAB Chromogen(20X) 250 µl
F: DAB Substrate 5 ml
G: Technical Manual 1 Manual
Note:
HRP Polymer Working Solution: add 20 µl HRP Polymer into 1 ml HRP Polymer Diluent to dissolve before use, mix.
DAB Working Solution: Add 50 µl DAB Chromoge into 0.95 ml DAB Substrate, mixing vial shortly.

Storage&Shelf life:

All kit components are stable at 4 ℃. Each component is stable for up to 12 months.

Procedure:

1. Deparaffinize and rehydrate tissue section; PBS/TBS wash 3 times for 2 minutes;
2. Incubate tissue in appropriate pretreatment or digestive enzyme if required for primary antibody; and PBS/TBS wash 3 times for 2 minutes;
3. Incubate slide in Hydrogen Peroxide Blocking Reagent for 10 minutes, PBS/TBS wash 3 times for 2 minutes;
4. Apply Blocking Reagent and incubate for 5 minutes, PBS/TBS wash 3 times for 2 minutes (May be omitted if primary antibodies are diluted in buffers containing normal goat serum);
5. Apply primary antibody and incubate according to the manufacturer's recommended protocol, PBS/TBS wash 3 times for 2 minutes;
6. Apply HRP Polymer Working Solution (50 µl for each slice) and incubate for 30 minutes, PBS/TBS wash 3 times for 2 minutes;
7. Add 50 µl DAB Working Solution to each slice, incubate for about 3 - 5 minutes, PBS/TBS wash for 2 minutes;
8. Counterstain and coverslip using a permanent mounting media.

DATA:

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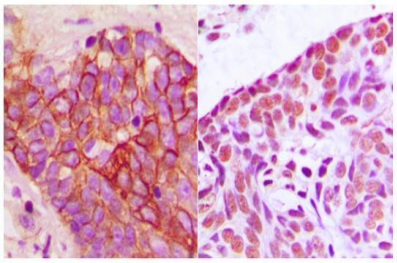

Immunohistochemical analysis staining in human breast carcinoma formalin fixed
paraffin-embedded tissue section. The section was pre-treated using pressure cooker
heat antigen retrieval with sodium citrate buffer (0.01M, pH=6) for 3 minutes. The
section was detected using Super Sensitive IHC Detection System. The section was
then counterstained with haematoxylin and mounted with Neutral Gum.

Research Use:

For research use only. Not for diagnostic or therapeutic procedures.

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