PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.

Super Sensitive TM IHC Detection System kit (Mouse/Rabbit)

Cat No.: BD5001

Introduction

Super Sensitive 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 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 Detection is not a biotin/avidin based system. The Super Sensitive Detection System provides the user with a rapid, easy to use, and versatile IHC detection system.

Reagents

A: Hydrogen Peroxide Blocking Reagent	5ml
B: Blocking Reagent	5ml
C: Antibody Amplifier	5ml
D: HRP Polymer	5ml
E: DAB Substrate Reagent	5ml
F: DAB Chromogen Reagent	150ul

Application

Super Sensitive Detection System detects mouse or rabbit antibody. It can apply for paraffin-embedded tissue, cryostat sections, blood smears, and cell preparations.

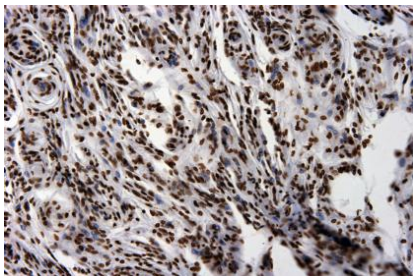
Storage & Shelf life

Store at 2-8℃. Each component is stable for up to 12 Months.

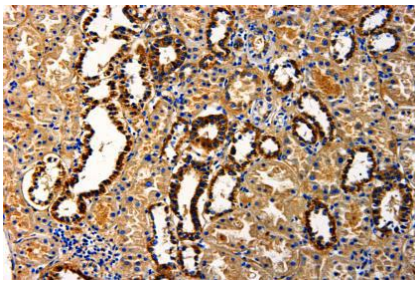
Procedure

1. Deparaffinize and rehydrate tissue section; PBS/TBS wash for 2 min*3;
2. Incubate tissue in appropriate pretreatment or digestive enzyme if required for primary antibody; and PBS/TBS wash for 2 min*3;
3. Incubate slide in Hydrogen Peroxide Blocking Reagent for 10 minutes, PBS/TBS wash for 2 min*3;
4. Apply Blocking Reagent and incubate for 5 minutes, PBS/TBS wash for 2 min×3; (May be omitted if primary antibodies are diluted in buffers containing normal goat serum.)
5. Apply primary antibody and incubate according to manufacturer's recommended protocol, PBS/TBS wash for 2 min*3;
6. Apply Antibody Amplifier and incubate for 10 min; PBS/TBS wash for 2 min*3;
7. Apply HRP Polymer and incubate for 10 min; PBS/TBS wash for 2 min*3; (NOTE: HRP is light sensitive. Please avoid unnecessary light exposure.)
8. Add 30 ul DAB Chromogen to 1 ml of DAB Substrate, mix by swirling and apply to tissue. Incubate for about 3-5 minutes, PBS/TBS wash for 2 min*3;
9. Counterstain and coverslip using a permanent mounting media.

DATA



BD5001-A: IHC image of BS1657（Rabbit） staining in Human meningioma 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 mins. The section was then incubated with BS1657, 5μg/ml, for 1 hour 37℃ and detected using BD5001. The section was then counterstained with haematoxylin (BD5035) and mounted with Neutral Gum (BD5044).



BD5001-B:IHC image of MMP-9 (Mouse)staining in Human kidney neoplasms 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 mins. The section was then incubated with MMP-9, 5μg/ml, for 1 hour 37℃ and detected using BD5001. The section was then counterstained with haematoxylin (BD5035) and mounted with Neutral Gum (BD5044).

Research Use

For research use only, not for use in diagnostic procedures.

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