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BIOSCIENCE FOR THE LAB.

Mouse Probe HRP Labeling Kit with AEC

Product Name: Mouse Probe HRP Labeling Kit with AEC made in Taiwan
Catalog No.: TAHC01A

Form:

Catalog No.	Size
TAHC01A-15	15ml
TAHC01A-50	50ml
TAHC01A-100	100ml

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

DESCRIPTION: The reagents in this kit constitute a biotin-free immunoenzymatic antigen detection system. This technique involves the sequential incubation of the specimen with an unconjugated primary antibody that targets a specific antigen, polymer conjugated HRP which reacts with the mouse primary antibody, and substrate-chromogen (AEC).

APPLICATIONS: Immunohistochemistry (IHC)

KIT CONTENTS:	Description	Format	Recommend time
Hydrogen Peroxide Block	3% hydrogen peroxide solution with less than 0.1% sodium azide	Ready to Use	10-20 minutes.
Immunoblock	PBS solution, pH 7.6, with 0.5% BSA, and less than 0.1% sodium azide.	Ready to Use	10-30 minutes.
Mouse Probe HRP Labeling	Polymer conjugated HRP Reactive with mouse primary antibodies.	Ready to Use	30-45 minutes.
AEC (20X)	3-Amino-9-Ethyl-carbazole	concentrate	5-10 minutes. AEC working solution: Each component add one drop into 600ul distilled water and mix well.
AEC Buffer (20X)	Substrate buffer, pH 7.5	concentrate	
Hrdrogen peroxidase buffer(20X)	Hydrogen peroxidase	concentrate	
Hematoxylin	Hematoxylin	Ready to Use	0.5-1 minutes

STAINING PROTOCOL:

1. Deparaffinize and rehydrate formalin-fixed paraffin-embedded tissue section.
2. Add enough drops of Hydrogen Peroxide Block to cover the sections. Incubate for 10-20 minutes. Rinse and wash 2 times in PBS buffer.
3. Perform appropriate pre-treatment if required. Wash 3 times in PBS buffer.
4. Apply Immunoblock and incubate for 10-30 minutes at room temperature to block

non-specific background staining. Wash 2 times in PBS buffer.

5. Apply mouse primary antibody and incubate according to manufacturer's protocol. Wash 3 times in PBS buffer.

6. Apply Mouse Probe HRP Labeling and incubate for 30 minutes at room temperature. Wash 3 times in PBS buffer.
7. Add enough drops of AEC working solution to cover the sections. Incubate for 5 -10 minutes. Rinse 4 times in PBS buffer.
8. Apply counterstain according to manufacturer's instructions (optional).
9. Apply a sufficient volume of an aqueous mounting medium to cover the section.

STORAGE & STABILITY:
Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. The reagents must be returned to the storage conditions identified above immediately after use. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at info@biotna.net or your distributor service.