BIOTnA Biotech
BIOSCIENCE FOR THE LAB.

Product Name: TnAlink Polymer Detection System

Catalog No.: TAHC04D

INTENDED USE: For Research Use Only.

DESCRIPTION:

TnAlink Polymer Detection System is constituted a biotin-free immune enzymatic antigen detection kit, which is for the visualization of mouse IgG, mouse IgM and rabbit IgG primary antibodies. The TnAlink Polymer Detection Systems utilize a novel polymer technology to perform highly sensitive signal amplification. This technique has been involved the sequential incubation of the specimen with an unconjugated primary antibody specific to the target antigen. The detection systems contain Peroxidase Block, Protein Block, TnAlink Post Primary, TnAlink Polymer, TnAlink DAB chromogen, TnAlink DAB Substrate Buffer and Hematoxylin.

APPLICATIONS: Immunohistochemistry (IHC)

KIT CONTENTS:	Description	Format	Recommend time
Peroxidase Block	3% hydrogen peroxide solution with less than 0.1% sodium azide	Ready to Use	10-20 minutes.
Protein Block	PBS solution, pH 7.6, with 0.5% BSA, and less than 0.1% sodium azide.	Ready to Use	10-30 minutes.
TnAlink Post Primary	Rabbit anti Mouse IgG in PBS solution, and less than 0.1% sodium azide	Ready to Use	10 minutes.
TnAlink Polymer	Polymer conjugated HRP	Ready to Use	30-45 minutes.
TnAlink DAB chromogen (20x)	3,3' Diaminobenzidine (DAB) chromogen	Concentrate	Diluted with DAB Buffer (chromogen 1 part: buffer 19 parts)
TnAlink DAB Buffer	Substrate buffer, pH 7.5 with hydrogen peroxide	Ready to Use	1-10 minutes.

STAINING PROTOCOL:

1. Deparaffinize and rehydrate formalin-fixed paraffin-embedded tissue section.
2. Add enough drops of Peroxidase Block to cover the sections. Incubate for 10 minutes. Wash 2 times in PBS buffer.
3. Perform appropriate pretreatment if required. Wash 3 times in PBS buffer.
4. Apply Protein Block and incubate for 10-30 minutes at room temperature to block non-specific background staining. Wash 2 times in PBS buffer.
5. Apply primary antibody and incubate according to manufacturer's protocol. Wash 3 times in PBS buffer.

6. Apply TnAlink Post Primary and incubate for 10 minutes at room temperature. Wash 3 times in PBS buffer.
7. Apply TnAlink Polymer and incubate for 30 minutes at room temperature. Wash 3 times in PBS buffer.
8. Add 50 µl TnAlink DAB chromogen to 1.0 ml of TnAlink DAB Buffer (20X dilution), mix by swirling and apply to tissue. Incubate for 1-10 minutes. Rinse 4 times in PBS buffer.
9. Counterstain with hematoxylin according to manufacturer's instructions (optional).
10. Dehydrate if required and cover slips.

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.