Affinity Enhancer Buffer (Cat. A212060)

Product Information:

Contents: **Affinity enhancer buffer-A (250mL) and Affinity enhancer buffer-B (250mL)**

Catalog Number: **A212060**

Size: **500 ml**

Storage Conditions: Stored at 2-8°C

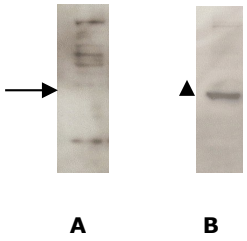
Description: **Design to enhance the antigen-antibody specificity and signals in western blotting, suitable for both PVDF and NC membranes. The working buffers (A&B Mixture) can improve the affinity of the primary (1st) antibody with targeted antigen and reduce the non-specific bindings. Specific applications on some poorly reactive or non-reactive primary antibodies (Monoclonal), caused no/low signals, faint bands or high non-specific noises during chemiluninescence developments.**

Procedure:

1. Preparation of working solution:
   Mix equal volumes of affinity enhancer buffer A and B in a plastic container.
   Note*: The mixture of 5-7.5ml of buffer A and 5-7.5ml of buffer B is enough for a mini-gel membrane (8x10cm).
   Note**: The membrane may be the new one after blocking or the used one after ECL development.
2. Wash membrane with 1x TBST/PBST twice for 5 minutes to remove the blocking buffer or the chemiluminescent substrates.
3. Incubate membrane in the primary (1st) antibody for 40 minutes at room temperature or overnight at 2-8°C with gentle shaking.
4. Wash membrane with 1x TBST/PBST twice for 5 minutes.
5. Immerse membrane in the plastic container contained the mixture of the affinity enhancer buffer A and B. Incubate at room temperature for 10 minutes with gentle shaking.
6. Wash membrane twice with 1x PBST/TBST for 5 minutes.
7. Incubate membrane in the primary (1st) antibody for 40-90 minutes at room temperature with gentle shaking.
8. Wash membrane twice with 1x PBST/TBST for 5 minutes.
9. Continue the secondary (2nd) antibody (HRP/AP conjugated) steps and detected by chemiluminescence substrates.

Figure:

Membrane B was incubated with affinity enhancer buffers (A212060) for 10 minutes, showed the targeted band (60 kDa) was enhanced and the non-specific bands were reduced. Membrane A without treating by the affinity enhancer buffers (A212060), showed a very weak targeted band (60 kDa) and multiple non-specific bands.



A B

Precautions and Disclaimer: This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.

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