

**ANTIBODY STRIPPING BUFFER***Protein Chemistry***Catalog Number:** MP037

**Description:** This Antibody Stripping Buffer is a highly efficient solution designed for the removal of primary and secondary antibodies from Western blot membranes (PVDF or nitrocellulose), enabling multiple rounds of probing on the same membrane.

The formulation combines a glycine-based system with the strong chaotropic agent guanidine hydrochloride, facilitating effective disruption of antigen-antibody interactions. Potassium chloride (KCl) maintains ionic strength, while EDTA chelates divalent metal ions to minimize metal-dependent interactions.

This balanced composition ensures efficient antibody removal while preserving immobilized target proteins.

**Key Features:**

- Efficient removal of both primary and secondary antibodies
- Compatible with PVDF, nylon and nitrocellulose membranes
- Preserves immobilized proteins for re-probing
- Suitable for HRP-based and fluorescence detection systems
- Simple and reproducible protocol

**Pack Size:** 100mL/500mL**Storage:** 2–8°C**Application:**

- Western blot antibody stripping and re-probing
- HRP-based and fluorescence-based detection systems
- Multi-target protein analysis

**Procedure:**Preparation

- After detection (e.g., ECL or fluorescence), rinse membrane in TBS-T for 5 minutes

Antibody Stripping

- Incubate membrane in sufficient Stripping Buffer (fully submerged)
- Gently agitate at room temperature for 15 minutes and discard stripping buffer

Washing

- Wash membrane with TBS-T: 3 × 5 minutes
- Additional washes may be required to remove residual chaotropic agents

Re-blocking and Re-probing

- Block membrane with 5% milk or BSA for 30 minutes
- Proceed with standard antibody incubation steps

**Precautions:**

- Optimization may be required depending on antibody affinity
- Use milder conditions for low-abundance or sensitive targets
- Multiple stripping cycles ( $\geq 3$ ) may reduce target protein signal
- Guanidine HCl is a strong denaturant—handle with appropriate protection

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES

MACGENE Biotechnology ● Phone: (010)8205-7786 ● (010)6237-9789

Order: order@macgenes.com ● Support: support@macgenes.com ● URL: http://www.macgenes.com