# T-Pro Protein Free Blocking Buffer

Store at 2~8℃

In PBS (JK92-W003) 500 ml

In TBS (JK92-W004) 500 ml

T-Pro Biotechnology

**This product is for laboratory research ONLY and not for diagnostic use.**

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| **Description** | The T-Pro Protein Free Blocking Buffers contain a proprietary compound for blocking excess binding sites in ELISA, Western blotting, arrays and other immunochemical applications. This blocking buffer reduces or eliminates many of the problems encountered with traditional protein-blocking reagents, such as cross-reactivity and interference from glycosylation. Additionally, T-Pro Protein Free Blocking Buffers are compatible with antibodies and avidin/biotin systems. |
| **Important Product Information** | • The usage as described in these instructions may differ from other blocking solutions.<br>• Use the protein-free blocking buffers at the supplied concentration; do not dilute blocking buffer.<br>• A final concentration of 0.05% Tween-20 Detergent in the blocking buffer often improves blocking; however, it is not required nor recommended for all systems.<br>• The protein-free blocking buffers may be used as a protein stabilizer for drying antigen- or antibody-coated microplates. Dry plate completely before sealing in a plastic bag with desiccant. Store plate at 2~8℃. |
| **Storage** | T-Pro Protein Free Blocking Buffer is stable for 2~8℃ |

## Instructions

### Procedure for Blocking ELISA Plates

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| 1 | Coat the ELISA plate with antigen or antibody according to standard procedures. |
| 2 | Add 300µL of the blocking buffer to each well and incubate for 30 minutes at room temperature. Alternatively, add 300µL of blocking buffer to each well and immediately invert plate to empty contents. Repeat this process two more times. |
| 3 | Proceed with assay or invert plate, and allow it to completely dry for ~2 hours. Place dry plate in a plastic bag or other container with desiccant and store at 2~8°C. |

### Procedure for Blocking Membranes

Note: Typically, adding a final concentration of 0.05% Tween-20 to the blocking buffer produces the best results.

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| 1 | Add sufficient Protein-Free Blocking Buffer to cover the entire surface of the membrane. |
| 2 | Incubate for 15~30 minutes at room temperature on a rocking platform. |
| 3 | Continue the blotting procedure do not using the Protein-Free Blocking Buffer to dilute primary and secondary antibodies. |

* Continue the blotting procedure do not using the T-Pro Protein Free Blocking Buffer to dilute primary and secondary antibodies.