

## TOOLSpeed IHC Blocking Reagent

**Cat no.** TFU-IHC01

**Storage:** 4°C

Component	Size
IHC Blocking Reagent	250 mL
Antibody Dilution Buffer	125 mL

## Introduction

The TOOLSpeed IHC Blocking Reagent is used for quick and effective blocking of nonspecific binding sites when performing immunohistochemistry. It takes only 1 minute to complete the blocking procedure and to display no background.

## Protocol

1. Deparaffinize and rehydrate a formalin-fixed paraffin-embedded tissue section.
2. Use antigen retrieval buffer (citrate- or EDTA-based) to treat the section. Wash three times in phosphate-buffered saline (PBS) buffer.
3. Add enough hydrogen peroxide blocking solution to cover the section. Incubate for 10–15 minutes. Wash three times in PBS buffer.
4. Apply a moderate amount of TOOLSpeed IHC Blocking Reagent to the sample section; incubate for 1 minute at room temperature to block nonspecific background staining. Wash three times in PBS buffer.
5. Apply the primary antibody in the antibody dilution buffer and incubate. Wash three times in PBS buffer.
6. Incubate with the secondary antibody (horseradish peroxidase [HRP]-conjugated) or HRP polymer secondary antibody. Wash three times in PBS buffer.

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Note: Dilute the secondary antibody as usual (i.e., using bovine serum albumin buffer or the antibody dilution buffer provided; no dilution should be performed for the ready-for-use HRP polymer secondary antibody) or refer to the antibody datasheet.

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7. Place the slide in DAB substrate and incubate until the desired color is achieved. Rinse three times in PBS buffer.
8. Add enough drops of hematoxylin to cover the section. Incubate for 1–5 minutes.
9. Rinse seven or eight times in tap water. Add mounting medium to cover the section.

The product is for research only, not for diagnostic or clinical use.