

Product datasheet

Hydrogen Peroxide Blocking Reagent ab64218

★★★★★ 3 Abreviews 15 References 1 Image

Overview

Product name	Hydrogen Peroxide Blocking Reagent
Tested applications	Suitable for: IHC-P, IHC-Fr
General notes	Hydrogen Peroxide Blocking Reagent ab64218 for use in IHC with detection based on HRP / peroxidase. Note: The concentration of hydrogen peroxide in this product is 0.3%.

IHC protocol suitable for use with Hydrogen Peroxide Blocking Reagent:

For frozen sections, skip steps 1 and 2.

1. Deparaffinize and rehydrate formalin-fixed paraffin-embedded tissue section.
2. Use appropriate [antigen retrieval buffer or enzyme](#) (primary antibody dependent) to treat sections. Wash 3 times in buffer.
3. **Add enough hydrogen peroxide blocking solution ab64218 to cover the sections. Incubate for 10 minutes.** Wash 2 times in buffer. If necessary, use [avidin biotin blocking](#).
4. Apply [protein block](#) (or [normal serum](#) from same species as secondary antibody) and incubate for 5 minutes at room temperature to block nonspecific background staining. Wash once in buffer.
5. Apply primary antibody in [antibody diluent](#) and incubate.
6. Wash 4 times in buffer. Incubate slide with [biotinylated secondary antibody](#) (or [HRP polymer secondary antibody](#) and skip step 7). Wash 4 times in buffer.
7. Apply [streptavidin-HRP](#) and incubate for 10 minutes at room temperature.
8. Rinse 4 times in buffer. Place slide in [DAB substrate](#) or [AEC substrate](#) and incubate until desired color is achieved (1-10 mins). Rinse 4 times in buffer.
9. Add enough drops of [hematoxylin](#) to cover the section. Incubate for 1 minute.
10. Rinse 7-8 times in tap water. Add [mounting medium](#) to cover the section.

Find complete IHC kits, and reagents for antigen retrieval, blocking, signal amplification, visualization, counterstaining, and mounting in the [IHC kits and reagents guide](#).

Properties

Form	Liquid
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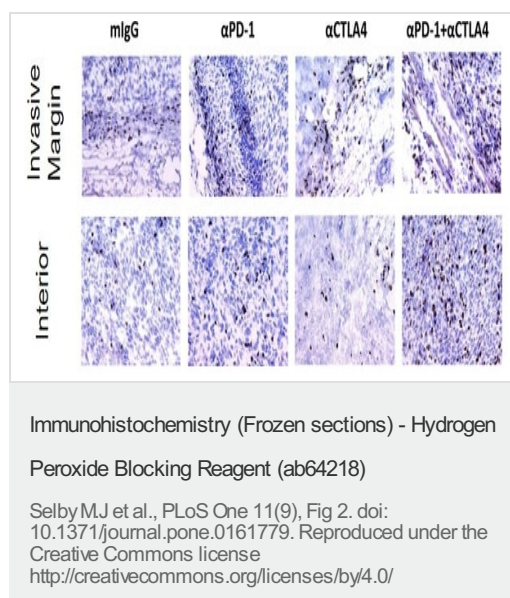
Storage instructions	Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 0.3% Hydrogen peroxide
Relevance	Hydrogen Peroxide Blocking Reagent is intended for use in peroxidase-based immunohistochemical staining procedures on cell preparations, frozen tissue sections, and paraffin-embedded tissue sections.

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab64218 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent dilution.
IHC-Fr		Use at an assay dependent dilution.

Images



Immunohistochemical (frozen) analysis of MC38 tumor sections labeling CD3 with [ab16669](#) at 1/400 dilution. Sections were fixed with acetone, treated with peroxidase block (ab64218) to quench endogenous peroxidase, and then further blocked with a 10% goat serum and 5% BSA solution. CD3 positive T cells were detected using [ab80437](#). Invasive margin (top) shows sections derived from the periphery of the tumor and interior (bottom) shows sections from within the tumor.

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