

Antibody Diluent ab64211

★★★★★ [1 Abreviews](#) [17 References](#)

Overview

Product name	Antibody Diluent
Tested applications	Suitable for: IHC-P
General notes	<p>Antibody Diluent ab64211 is used to dilute primary antibodies to their working concentrations for use in IHC. It can also be used for convenient storage of diluted primary antibodies.</p> <p>The antibody diluent is formulated to reduce background and non-specific binding of the primary antibody. In most cases, antibodies can be stored in the diluent, at their working concentrations for IHC, for up to 24 months at 2-8°C.</p> <p>The diluent is based on a Tris buffer, and contains a stabilizing carrier protein, a wetting agent to reduce surface tension, an anti-microbial agent, and a green dye. It should not be used with HRP-conjugated primary antibodies.</p>

IHC protocol suitable for use with Antibody Diluent ab64211:

For fluorescent IHC, skip step 3, incubate with fluorescent dye conjugated secondary at step 6, skip rest of steps, and mount with [anti-fade mounting medium](#).

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](#) 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 ab64211 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
Storage instructions	Store at +4°C.
Storage buffer	pH: 7 Preservative: 0.05% Sodium azide

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab64211 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.

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