

Product datasheet

HistoReveal (15ml) ab103720

[5 References](#) [1 Image](#)

Overview

Product name HistoReveal (15ml)

General notes Proteolytic antigen retrieval (PIER) reagent HistoReveal (ab103720). Superior staining to conventional enzymes (eg. trypsin). Only 5 min incubation. Single stable solution, designed to unmask immunoreactive sites altered by fixation and/or the embedding process.

The most commonly used tissue fixatives are aldehydes, such as formalin, which work by protein cross-linking. Proper fixation of a specimen prevents antigen from being washed out and is a critical aspect of successful IHC staining. Cross-linking can mask antigens, preventing primary antibodies from binding, thus yielding weak staining or false negative results. Immunoglobulins are especially susceptible to formalin fixation.

Treatment with a proteolytic enzyme is required to digest excess aldehyde linkages and expose the antigen. HistoReveal is a proteolytic enzyme solution that can be used in place of traditionally used enzyme pretreatments, such as pepsin or trypsin, and results in superior staining. Unlike other enzymes, HistoReveal is gentle on tissue and does not destroy morphology.

Moreover HistoReveal requires only a brief incubation at room temperature. Performing antigen recovery with HistoReveal will allow you to dilute the primary antibody 5 to 10 fold further and achieve optimal staining.

Digestion Procedure

Deparaffinize tissue sections and bring them into buffer.
Remove excess buffer from slides without letting tissue dry.
Depending on tissue section, add 1 or 2 drops of HistoReveal.
Incubate slides for 5 minutes at room temperature.
Wash slides with buffer and proceed with immunostaining.

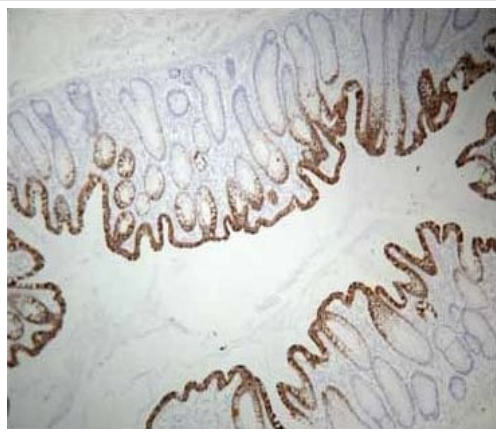
Properties

Form Liquid

Storage instructions Store at +4°C.

Storage buffer Aqueous stabilized enzyme in buffer(non hazardous)

Images



Cytokeratin 20 being stained in colon tissue following antigen retrieval using HistoReveal.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HistoReveal (15ml)
(ab103720)

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