

Product Datasheet

Histozyme NBP3-50106

Unit Size: 15 ml

Store at 4C in the dark. Do not freeze.

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Updated 10/8/2025 v.20.1

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NBP3-50106

Histozyme

Product Information	
Unit Size	15 ml
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C in the dark. Do not freeze.
Preservative	No Preservative
Product Description	
Description	<p>Histozyme is a proteolytic enzyme solution that results in superior staining over traditionally used enzyme pretreatments, such as pepsin and trypsin. Moreover, Histozyme requires only a brief incubation at room temperature. Performing antigen recovery with Histozyme, will allow you to dilute the primary antibody 5 to 10 fold further and achieve optimal staining.</p> <p>Formalin fixation of tissues induces protein cross links that helps in maintaining the cellular morphology by inactivating the digestive enzymes and preserving the cytoskeleton. Fixation stops tissue autolysis, preserves tissue structures, and immobilizes antigens. However, antigens undergo chemical alteration of their primary, secondary and tertiary structures during fixation. This may cause a loss of reactivity of a specific antibody to that antigen. High-energy treatment of such proteins in appropriate pH leads to restoration of the epitope structure and hence retrieves the reactivity of antibody to the target antigen. This process is defined as Antigen Retrieval. Shi et al 1991. It has been suggested that antigen retrieval loosens or breaks the cross linkages induced by formalin. This allows for the enhanced penetration of antibodies and accessibility of epitopes.</p>
Specificity/Sensitivity	Proteolytic enzyme solution for antigen retrieval.
Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin
Application Notes	Histozyme is ready to use and does not require any preparation.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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