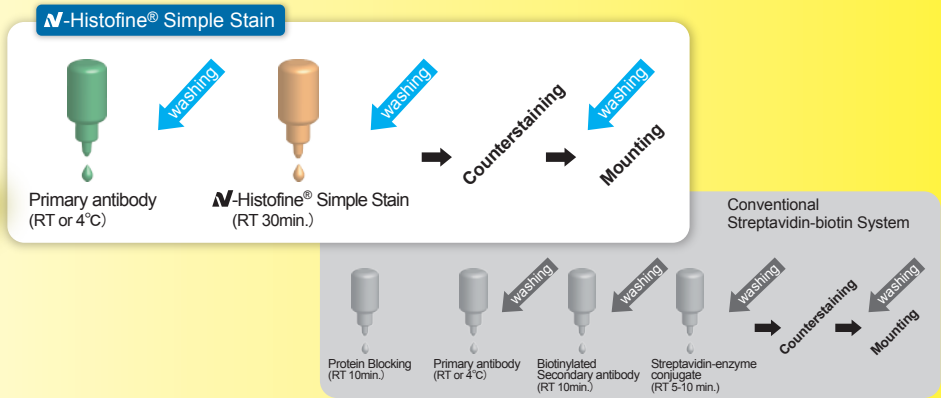


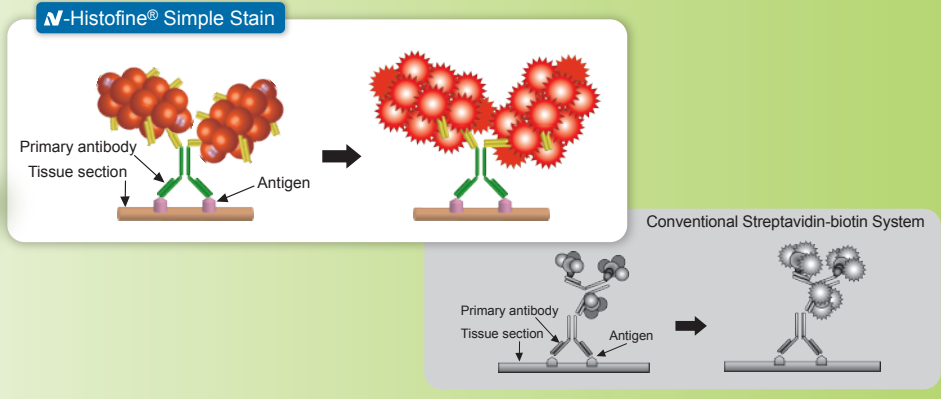
Polymer Detection System for Human **N-Histofine®**

Advantages of **N-Histofine®** in comparison with conventional streptavidin-biotin system

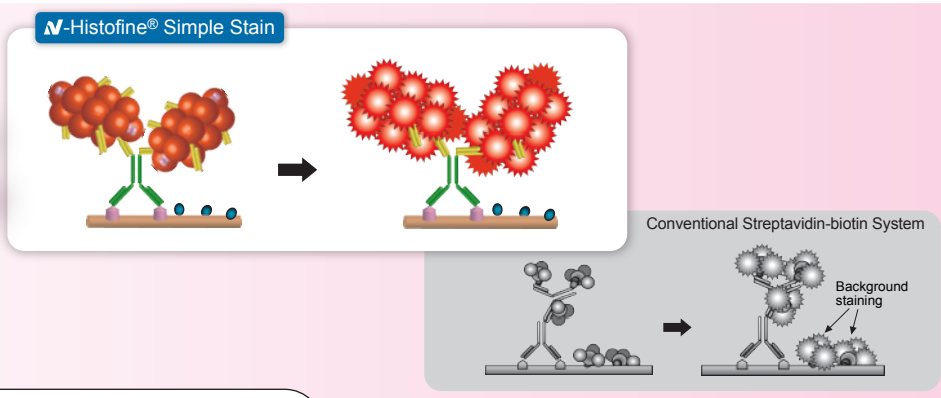
Simplified staining steps!



High sensitivity!



Unaffected by endogenous biotin in the tissue!



- : **N-Histofine® Simple Stain**
- : Biotin
- : Biotinylated secondary antibody
- : Streptavidin-enzyme conjugate
- : Biotin

Detection system for Human tissue sections

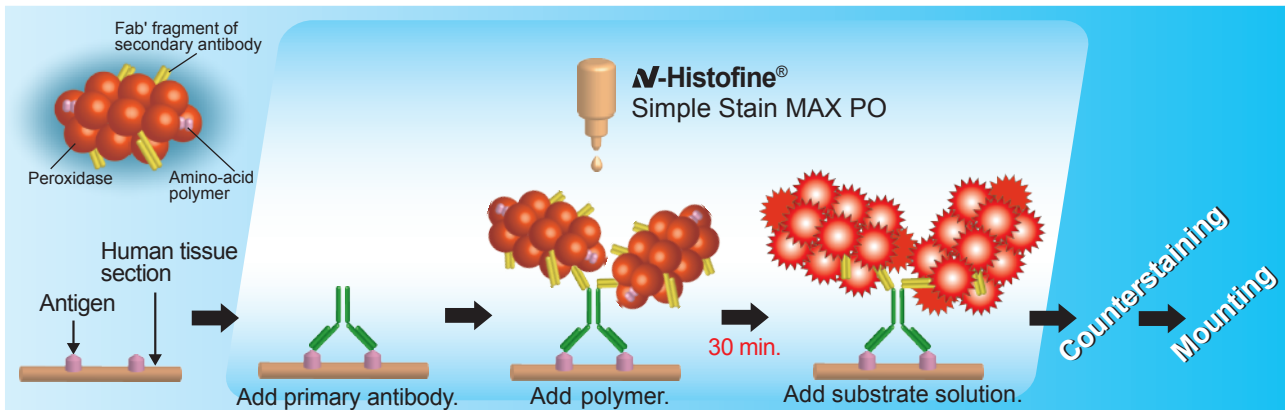
N-Histofine[®] Simple Stain **MAX PO**

This product adopted the UIP (Universal Immuno-enzyme Polymer) method, Nichirei Bio's patented technology.

Feature

N-Histofine[®] Simple Stain MAX PO is a detection reagent designed specifically to allow immunohistochemical staining on formalin-fixed paraffin-embedded human tissue sections. It is the labeled polymer prepared by combining amino acid polymers with multiple molecules of peroxidase (PO) and secondary antibody which is reduced to Fab' fragment. To eliminate background staining, solid-phase absorption of secondary antibody is carried out with human serum.

Principle & Procedure

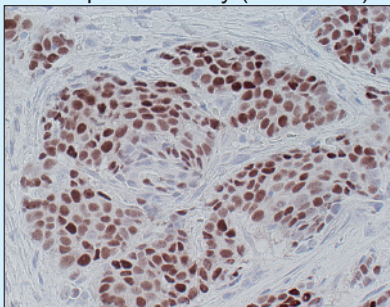


Advantages

1. Simplified staining steps.
2. High sensitivity.
3. Unaffected by endogenous biotin in the tissue.
4. Ready to use.

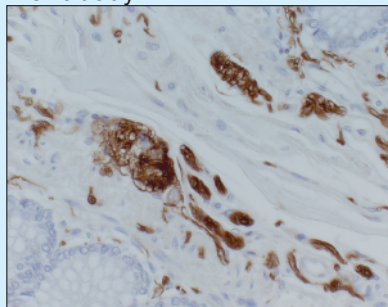
Staining Results

■ Mouse anti-Progesteron Receptor antibody (clone:1A6)



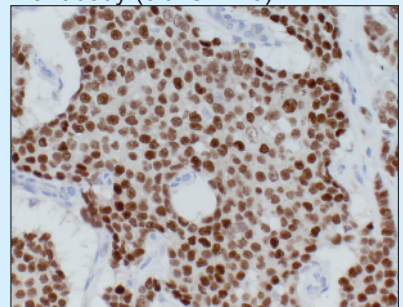
Human breast cancer (treated with high temperature epitope unmasking method) stained with **N**-Histofine[®] Simple Stain MAX PO(M) and DAB chromogen. Note nuclear staining of breast cancer cells.

■ Rabbit anti-S-100 protein antibody



Human colon stained with **N**-Histofine[®] Simple Stain MAX PO(R) and DAB chromogen. Note cytoplasmic staining of nerve cells.

■ Mouse anti-Estrogen Receptor antibody (clone: 1D5)



Human breast cancer (treated with high temperature epitope unmasking method) stained with **N**-Histofine[®] Simple Stain MAX PO (MULTI) and DAB chromogen. Note nuclear staining of breast cancer cells.

Detection system for Human tissue sections

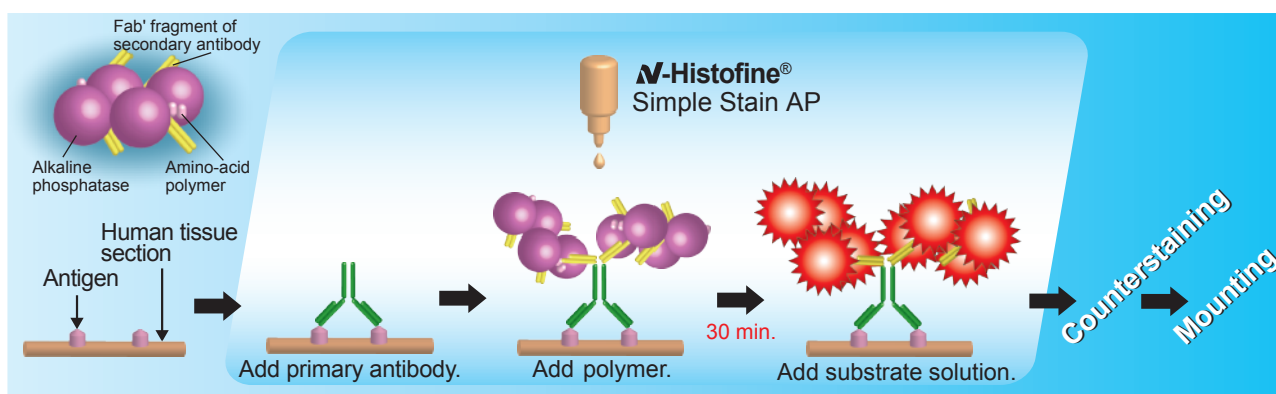
N-Histofine[®] Simple Stain AP

This product adopted the UIP (Universal Immuno-enzyme Polymer) method, Nichirei Bio's patented technology.

Feature

N-Histofine[®] Simple Stain AP is a detection reagent designed specifically to allow immunohistochemical staining on formalin-fixed paraffin-embedded human tissue sections. It is the labeled polymer prepared by combining amino acid polymer with alkaline phosphatase (AP) and secondary antibody which is reduced to Fab' fragment. To eliminate background staining, solid-phase absorption of secondary antibody is carried out with human serum.

Principle & Procedure

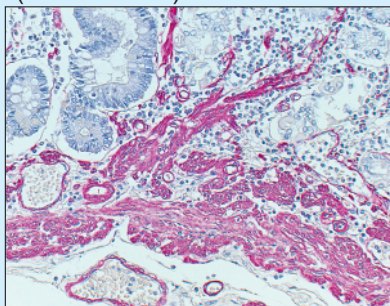


Advantages

1. Simplified staining steps.
2. High sensitivity.
3. Unaffected by endogenous biotin in the tissue.
4. Ready to use.

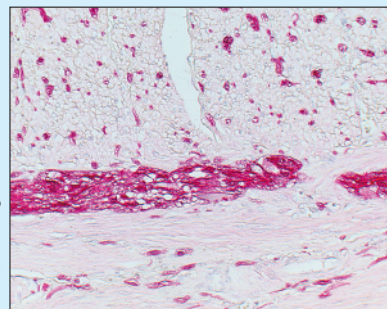
Staining Results

■ Mouse anti-Muscle Actin antibody (clone:HHF35)



Human stomach stained with **N**-Histofine[®] Simple Stain AP (M) and New fuchsin chromogen. Note intense staining of smooth muscle in the walls of blood vessel and muscularis mucosae.

■ Rabbit anti-S-100 protein antibody



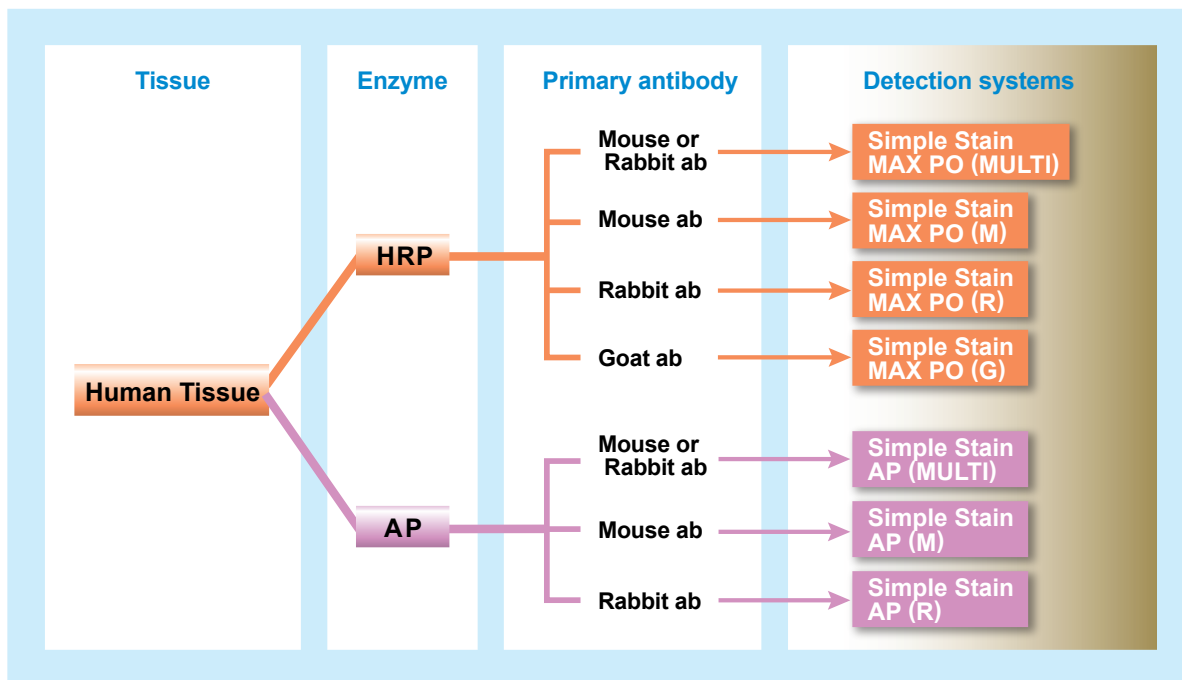
Human colon stained with **N**-Histofine[®] Simple Stain AP (R) and New fuchsin chromogen. Note cytoplasmic staining of nerve cells scattered in smooth muscle and Auerbach's plexus.

Product List

Liquid. Ready to use.

Product Name	Slides	Volume	Code	For use with	Mark in EU	
For Human Tissue Sections						
N-Histofine® Simple Stain MAX PO (MULTI)	170	1 x 17ml	414151F	Mouse and rabbit primary antibodies	CE	
	500	3 x 17ml	414152F			
	1500	9 x 17ml	414154F			
N-Histofine® Simple Stain MAX PO (M)	170	1 x 17ml	414131F	Mouse primary antibody		
	500	3 x 17ml	414132F			
	1500	9 x 17ml	414134F			
N-Histofine® Simple Stain MAX PO (R)	170	1 x 17ml	414141F	Rabbit primary antibody		
	500	3 x 17ml	414142F			
	1500	9 x 17ml	414144F			
N-Histofine® Simple Stain MAX PO (G)	170	1 x 17ml	414161F	Goat primary antibody		
	500	3 x 17ml	414162F			
N-Histofine® Simple Stain AP (MULTI)	170	1 x 17ml	414261F	Mouse and rabbit primary antibodies		
	500	3 x 17ml	414262F			
N-Histofine® Simple Stain AP (M)	170	1 x 17ml	414241F	Mouse primary antibody		
	500	3 x 17ml	414242F			
N-Histofine® Simple Stain AP (R)	170	1 x 17ml	414251F	Rabbit primary antibody		
	500	3 x 17ml	414252F			
Enzyme Substrate Systems						
N-Histofine® DAB-3S kit	500	3 x 3ml	415192F	Peroxidase	CE	
	1500	3 x 9ml	415194F			
Reagent A : DAB solution concentrate Reagent B : Enhancer solution concentrate Reagent C : Hydrogen peroxide solution concentrate						
N-Histofine® Simple Stain AEC Solution	500	3 x 17ml	415182F	Peroxidase		
	1500	9 x 17ml	415184F			
N-Histofine® New Fuchsin Substrate kit	2000	3 x 6ml, 1 x 12ml	415161F	Alkaline phosphatase		
	Reagent A : New Fuchsin solution concentrate Reagent B : Activating reagent concentrate Reagent C : Substrate buffer concentrate Reagent D : Substrate solution concentrate					

N-Histofine® series application on IHC staining



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