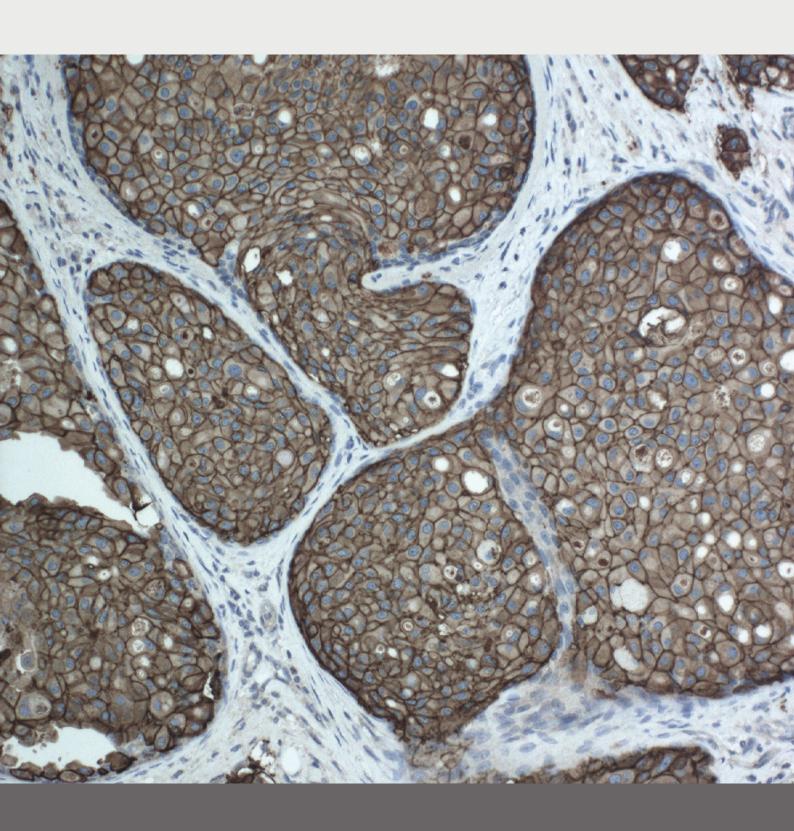


Immunohistochemistry Complete Solutions for IHC Analysis



enzolifesciences.com

ELIMINATE DATA AMBIGUITY

High Sensitivity. Low Background. True Results.

For decades, immunohistochemistry (IHC) has been an invaluable tool for the detection, localization, and quantification of antigens in preserved tissue for research and diagnostic purposes. Enzo's complete set of tools improve the quality and efficiency of your IHC process from start to finish. Avoid ambiguity with high-sensitivity and low background reagents that are compatible with manual and automated platforms. Combined with the market's most extensive palette of unique chromogens, Enzo provides the flexibility needed for simple or complex protocols.

"The POLYVIEW® PLUS HRP-DAB (Anti-Rabbit) kit worked very well; there was no background and the protocol is faster than many other IHC kits available commercially. I would surely recommend it. I was really happy with the POLYVIEW® PLUS HRP-DAB (Anti-Mouse) kit too. ***

- Columbia University

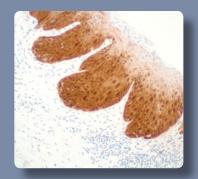
We tested Enzo's POLYVIEW® IHC detection reagents and HIGHDEF® chromogens on our immunohistochemical autostainers against similar available detection reagents and chromogens. We found that Enzo's detection reagents and chromogens matched or exceeded what we currently used, allowing for increased sensitivity and specificity when used against both human and murine tissue.

- The Beatson Institute

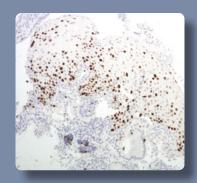
ENZO'S IHC PLATFORM

- Eliminates false positive results
- Consistent, reliable, and sharp results
- Compatible with both manual and automated platforms
- Cost-effective and time-saving

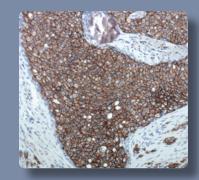
IHC ANTIBODIES FOR CRITICAL MARKERS



p16 Antibody ENZ-ABS377

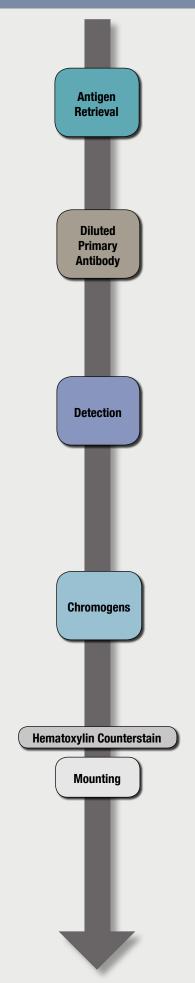


Ki-67 Antibody ENZ-ABS678



HER2/Neu Antibody ENZ-ABS381

PROVIDING THE WHOLE ASSAY: RETRIEVAL TO VISUALIZATION



Category	Product Name	Product #
	Antigen Retrieval Reagent, pH 6 (10X)	ENZ-ACC112
	Antigen Retrieval Reagent (Citrate, pH 7.0)	ADI-950-271
Antigen Retrieval Reagents	Antigen Retrieval Reagent (Citrate, pH 8.0)	ADI-950-272
	Antigen Retrieval Reagent (EDTA, pH 8.0)	ADI-950-273
	Antigen Retrieval Reagent, pH 9 (10X)	ENZ-ACC113
	Antigen Retrieval Reagent (Tris, pH 10.0)	ADI-950-275
	IHC Enzyme Antigen Retrieval Reagent	ADI-950-280
	Antibody Blocking Buffer	ENZ-ACC108
	IHC Diluent (Primary Ab)	ADI-950-244
5 11	CD138 Monoclonal Antibody	ENZ-ABS683
Diluted Primary	CD3 (Human) Monoclonal Antibody (TR66)	ALX-804-822
Antibody	Ki-67 Monoclonal Antibody (Ready-to-Use)	ENZ-ABS682
,	p16 Monoclonal Antibody	ENZ-ABS377
	p53 Monoclonal Antibody (PAb122)	ADI-KAM-CC002
	Vimentin Monoclonal Antibody	ENZ-ABS694
	MULTIVIEW® PLUS (mouse-HRP/rabbit-AP) IHC Kit	ENZ-KIT181
	MULTIVIEW® (mouse-HRP/mouse-AP) IHC Kit	ADI-950-101
	POLYVIEW® PLUS HRP (Anti-Rabbit) Reagent	ENZ-ACC103
	POLYVIEW® PLUS HRP (Anti-Mouse) Reagent	ENZ-ACC104
Detection	POLYVIEW® PLUS AP (Anti-Rabbit) Reagent	ENZ-ACC110
Dottorion	POLYVIEW® PLUS HRP-DAB (Anti-Rabbit) Kit	ENZ-KIT159
	POLYVIEW® PLUS HRP-DAB (Anti-Mouse) Kit	ENZ-KIT160
	SAVIEW® PLUS HRP Reagent	ENZ-ACC102
	SAVIEW® PLUS AP Reagent	ENZ-ACC111
	HIGHDEF® DAB Chromogen/Substrate Set	ENZ-ACC105
	HIGHDEF® Yellow IHC Chromogen (HRP)	ADI-950-170
	HIGHDEF® AEC (Red) IHC Chromogen (HRP)	ADI-950-210
HRP Chromogens	HIGHDEF® Blue IHC Chromogen (HRP)	ADI-950-151
	HIGHDEF® Black IHC Chromogen (HRP)	ADI-950-171
	HIGHDEF® Enhancer (DAB)	ADI-950-181
	HIGHDEF® Enhancer (DAB, plus)	ADI-950-182
	HIGHDEF® Red IHC Chromogen (AP)	ADI-950-140/1
	HIGHDEF® Blue IHC Chromogen (AP)	ADI-950-150
AP Chromogens	HIGHDEF® Green AP Chromogen Substitute	ENZ-ACC130
	HIGHDEF® Enhancer (AP)	ADI-950-180
Counterstain	HIGHDEF® Hematoxylin	ENZ-ACC106
Mounting Medium	HIGHDEF® Fluoromount	ADI-950-260
y	HIGHDEF® Mount	ADI-950-261

Accessories			
IHC/ISH Peroxidase Block	ENZ-ACC107	IHC Diluent (AP)	ADI-950-241
IHC PAP (Mini) Pen	ADI-950-232	IHC Diluent (Peroxidase I)	ADI-950-242
IHC PAP Pen	ADI-950-233	IHC Diluent (Peroxidase II)	ADI-950-243
IHC Tissue Primer	ADI-950-234	IHC PBS Tablets	ADI-950-240
IHC Universal Negative Control Reagent	ADI-950-231	IHC Fast Red Salt Tablets Kit	ADI-950-191
IHC Wash Buffer	ADI-950-235		<u> </u>

Enzo's POLYVIEW® PLUS Detection System Eliminates False Positive Results Observed with Common Commercially Available Kits

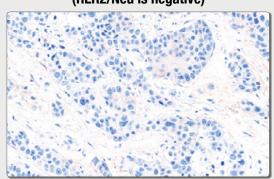
Comparative analysis of Enzo with a leading market competitor, using samples with clinical relevance, demonstrates elimination of false positive results

- Breast cancer tissue negative for HER2/Neu
- · As expected, tissue stained with POLYVIEW® PLUS HRP **Detection System is negative** for HER2/Neu; the competitor HRP detection gave a false positive result
- HER2/Neu negative, confirmed by FISH analysis

(HER2/Neu is false positive)

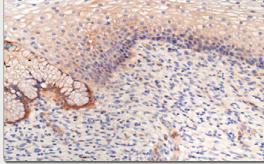
Competitor HRP Detection

Enzo's POLYVIEW® PLUS HRP Detection (HER2/Neu is negative)

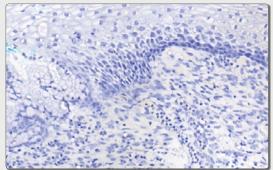


- · Cervical cancer tissue negative for p16
- As expected, tissue stained with POLYVIEW® PLUS HRP Detection System is negative for p16; the competitor HRP detection gave a false positive result





Enzo's POLYVIEW® PLUS HRP Detection (p16 is negative)



Reference: False-positive results in diagnostic immunohistochemistry are related to horseradish peroxidase conjugates in commercially available assays: G. Nuovo; Ann. Diagn. Pathol. 25, 54 (2016)

AN UNRIVALED SELECTION OF HIGH DEFINITION CHROMOGENS

Enzo offers the broadest palette of colors to choose from, giving you the ultimate flexibility in planning your multiplex IHC protocol.



















HIGHDEF®	
DAB	
(Brown) HRP	

HIGHDEF® Yellow **HRP**

HIGHDEF® AEC (Red) HRP

HIGHDEF® Red AP

Blue **HRP** ADI-950-151

HIGHDEF®

HIGHDEF® Blue AP

HIGHDEF® Green AP

HRP

HIGHDEF® HIGHDEF® Black Hematoxylin

ENZ-ACC105

ADI-950-170

ADI-950-210

ADI-950-140 ADI-950-141

ADI-950-150

ENZ-ACC130

ADI-950-171

ENZ-ACC106

CLEAR AND CONSISTENT RESULTS

POLYVIEW® PLUS Nanopolymer Peroxidase Detection Solutions

Complete Kits with High-Sensitivity and Low Background Deliver Clear Results

- . Complete ready-to-use staining kits and reagents for IHC and ISH
- High sensitivity POLYVIEW® PLUS reagents' biotin-free nanopolymer detection circumvents endogenous background while providing specific antigen localization
- HIGHDEF® DAB (Brown) chromogen provides high intensity color development to deliver sharp, crisp staining
- · Compatible with manual and automated platforms

Kits Include:

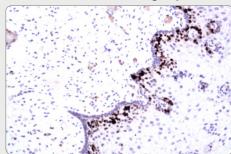
Antigen Retrieval Reagent HIGHDEF® Hematoxylin IHC Peroxidase Block Antibody Blocking Buffer

POLYVIEW® PLUS HRP (Anti-Rabbit or HIGHDEF® DAB Substrate/Chromogen

Anti-Mouse) Reagent (Ready-to-Use)

NANOPOLYMER DETECTION KITS			
Product Name	Product #	Size	
POLYVIEW® PLUS HRP-DAB (Anti-Rabbit) Kit	ENZ-KIT159	150 Tests	
POLYVIEW® PLUS HRP-DAB (Anti-Mouse) Kit	ENZ-KIT160	150 Tests	

Clear, Consistent Results Eliminate Ambiguity



Formalin-fixed paraffin-embedded cervical tissue stained using POLYVIEW® PLUS HRP-DAB (Anti-Rabbit) Kit to detect Ki-67 on an autostainer (Leica Bond Rx).

NANOPOLYMER DETECTION REAGENTS			
Product Name	Product #	Size	
POLYVIEW® PLUS HRP (Anti-Rabbit) Reagent*	ENZ-ACC103	150 Tests	
POLYVIEW® PLUS HRP (Anti-Mouse) Reagent*	ENZ-ACC104	150 Tests	
POLYVIEW® PLUS AP (Anti-Rabbit) Reagent*	ENZ-ACC110	150 Tests	
POLYVIEW® PLUS AP (Anti-Mouse) Reagent*	ENZ-ACC114	150 Tests	

^{*} Ready-to-Use Reagent

SAVIEW® PLUS Streptavidin Detection Solutions

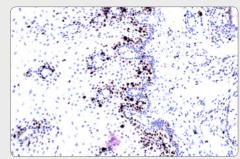
Streptavidin-Based Detection with Increased Sensitivity and Lower Background

- · Reduced carbohydrate and biotin background
- · Optimized ready-to-use reagents for IHC and ISH detection
- · Compatible with both manual and automated platforms

STREPTAVIDIN DETECTION REAGENTS		
Product Name	Product #	Size
SAVIEW® PLUS HRP Reagent*	ENZ-ACC102	150 Tests
SAVIEW® PLUS AP Reagent*	ENZ-ACC111	150 Tests

* Ready-to-Use Reagent

Strong Signal and Low Background Provides Clear Results



Formalin-fixed paraffin-embedded cervical tissue stained using SAVIEW® PLUS HRP Reagent to detect Ki-67 on an autostainer (Leica Bond Rx).

MULTIVIEW® PLUS Multiplex IHC Detection

Superior Multiplex Detection

- Biotin-free nanopolymer-based system for superior multiplex antigen detection
- Complete kit includes HIGHDEF® Chromogens for sensitive, crisp 2-color development
- Preserves precious tissue while reducing reagent and labor costs
- Expandable with additional chromogens (sold separately)

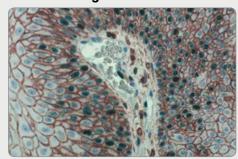
Kit Includes:

Empty Mixing Bottle

Antigen Retrieval Reagent
IHC Peroxidase Block
Antibody Blocker/Diluent
MULTIVIEW® PLUS HRP & AP Detection Reagents
HIGHDEF® DAB Chromogen/Substrate
HIGHDEF® Green AP Chromogen/Substrate
Hematoxylin

MULTIPLEX DETECTION KIT		
Product Name	Product #	Size
MULTIVIEW® PLUS (Mouse-HRP/Rabbit-AP) IHC Kit (Brown/Green)	ENZ-KIT181	150 Tests
MULTIVIEW® (Mouse-HRP/Mouse-AP) IHC Kit	ADI-950-101	100 Tests

Detection of Multiple Markers on a Single Tissue Section



Mouse anti-CD44 clone SFF-304 and Rabbit anti-Ki-67 clone MIB-1 was used with MULTIVIEW® PLUS (mouse- HRP/rabbit-AP) IHC Kit (Brown/Green) to perform multiplex IHC.

You may also be interested in:





Tumor Phenotyping and Immune Cell Regulation using Multiplex IHC



<i>Enzo</i>	APPLICATION NOTE
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Three-color IHC Staining on Free- Floating Sections from Human Brain



<i>©Enzo</i> ·	APPLICATION NOTE
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Characterization of Immune Cell Infiltrates in Human Cardiac Allograft Vasculopathy Using MULTIVIEW® IHC Kit





Compatibility of POLYVIEW® IHC Detection Reagents and HIGHDEF® IHC Chromogens with Automated IHC Slide Stainers





Using Mouse-on-Mouse IHC Kits in Various Sample Types



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Put our experience to work for you!

Our broad range of scientific expertise and manufacturing capabilities enables us to provide innovative tools for IHC analysis to save you time and money!