

ImmPRESS® Polymer Detection Reagents

Streamline your immunohistochemistry workflow

Integrated antibody and enzyme technology for simplified, convenient, sensitive IHC detection

The ImmPRESS Polymer reagents combine affinity-purified, cross-adsorbed secondary antibodies with a high-density micropolymer array of reporter enzyme. This introduces significantly more enzyme at the site of primary antibody localization to yield a stronger signal—in a single incubation step.

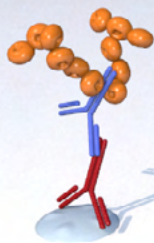
Why ImmPRESS?

- High sensitivity
- Unique micropolymer technology
- Timesaving one-step protocols
- Non-biotin based
- Ready-to-use, pre-diluted reagents
- Convenient dropper bottles
- Choice of enzyme (HRP or AP)

When to ImmPRESS?

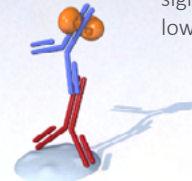
- Consistent and sensitive detection
- Easy optimization and no risk of dilution error
- Enhanced signals and diminished background staining
- High-sensitivity, crisp detection of nuclear and membrane antigens
- Simplified multiple antigen labeling
- Absence of biotin interference
- Reagents for manual or automated staining

ImmPRESS Polymer detection



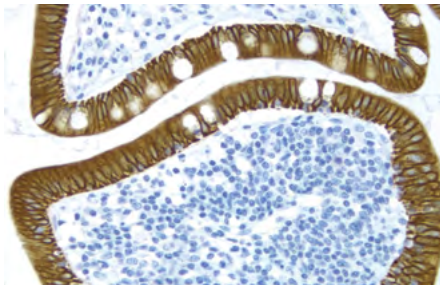
Our unique polymer conjugation chemistry enables significantly more enzyme to be introduced at the antigen target site, resulting in greater signal intensity and sensitivity.

Enzyme conjugated secondary antibody detection

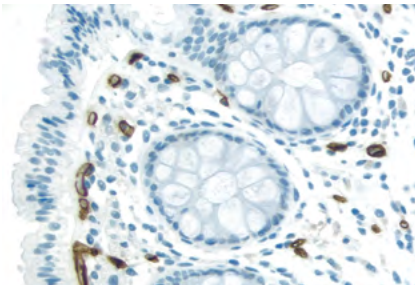


Standard conjugation methods limit the amount of enzyme available for reactivity and hence result in lower signal intensity and substantially lower sensitivity.

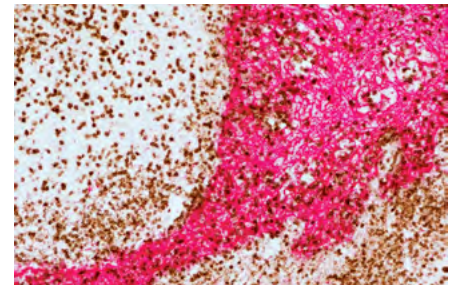
Be ImmPRESSed!



ImmPRESS Anti-Mouse Ig and DAB (brown) staining using cytokeratin 8/18 primary antibody. Hematoxylin counterstain (blue).



Colon: Anti-CD34 (m), ImmPRESS Excel Amplified Anti-Mouse IgG Staining Kit, ImmPACT® DAB EqV (brown). Hematoxylin QS counterstain (blue).



Human tonsil (paraffin section) stained for CD3 (ImmPACT DAB EqV, brown) and AE1/AE3 cyokeratin (ImmPACT Vector Red, magenta) using ImmPRESS Duet Kit MP-7714.

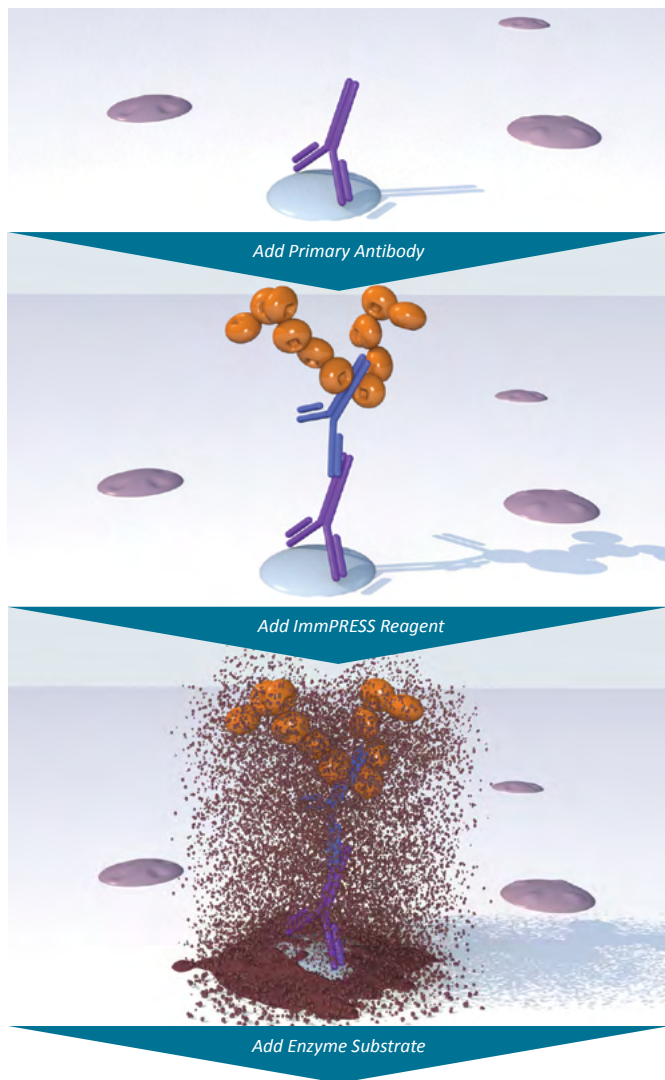
 **VECTOR**
LABORATORIES

part of Maravai LifeSciences

Ways to ImmPRESS: ImmPRESS Polymer Det

One-Step Detection Kits

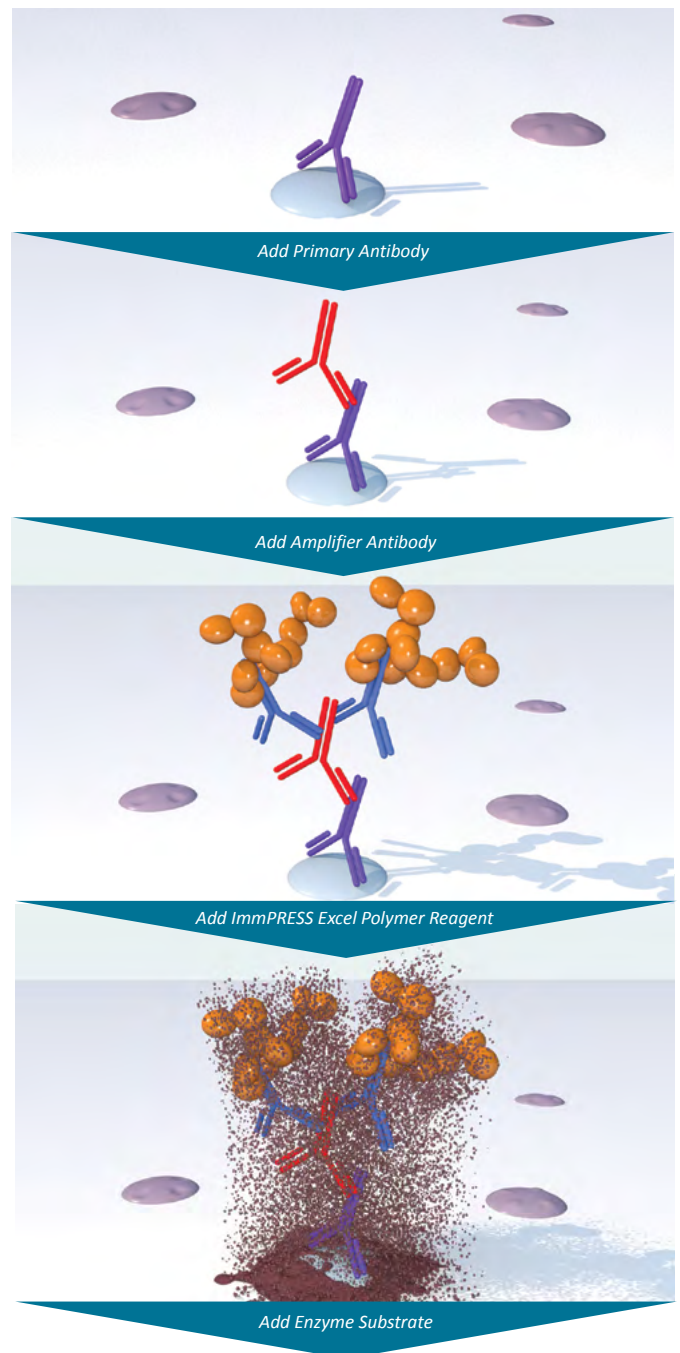
ImmPRESS Kits, ImmPRESS PLUS Kits*, & ImmPRESS VR Kits are species-specific, enzyme conjugated secondary antibody polymers.



* ImmPRESS PLUS Polymer Kits additionally include BLOXALL® Blocking Solution and ImmPACT DAB Substrate.

Two-Step Detection Kits

ImmPRESS Excel Amplified Polymer Kits include anti-mouse or anti-rabbit IgG HRP conjugated secondary antibody polymers with additional amplifying reagent.



Select for:

- Single Antigen Staining
- Moderate to high antigen expression
- Reduce/eliminate species cross-reactivity issues

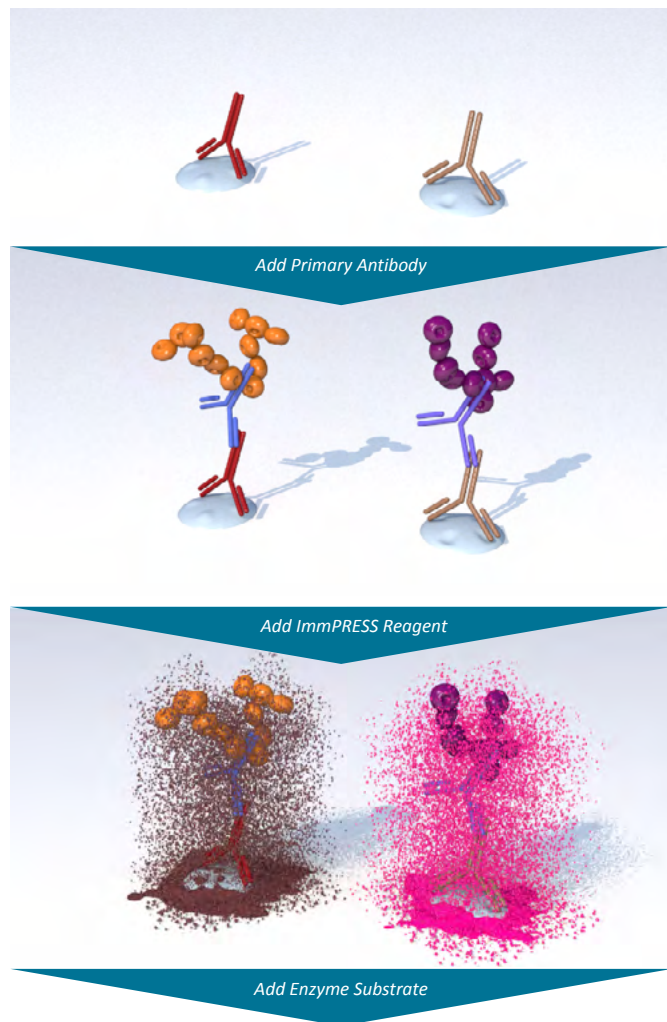
Select for:

- Unknown or low antigen expression
- Maximize primary antibody dilution
- Convenience of complete kit format

ection Kit Options

Double Staining Kits

ImmPRESS DUET Double Staining Polymer Kits includes anti-mouse and anti-rabbit IgG HRP and AP conjugated secondary polymer cocktail.



Select for:

- Double antigen staining
- Reduce optimization requirements
- Streamline the procedure

Species on Species Detection

M.O.M.[®] (Mouse on Mouse) ImmPRESS HRP Polymer Kit

Specific blocking and detection reagents for unambiguous visualization of mouse primary antibodies on mouse tissue sections.

Select for:

- Transgene and knock-out mice models
- Genetically modified mice
- Mouse xenograft tissue
- Normal mouse tissue

For
Superior
Results

Use

ImmPRESS
Polymer
Reagents

In
Combination
with

Vector[®]
ImmPACT
Enzyme
Substrates

ImmPRESS Kits and Reagents

Target Species	Product	Alkaline Phosphatase (AP)	Horseradish Peroxidase (HRP)	Veterinary HRP Reagent (VR) ¹	Excel Amplified (HRP) ^{2,3}	PLUS Kits (HRP) ³
Rabbit	ImmPRESS Anti-Rabbit IgG Polymer Detection Kits					
	Made in horse	MP-5401	MP-7401	MP-6401	MP-7601	MP-7801
	Made in goat		MP-7451			
Mouse	ImmPRESS Anti-Mouse IgG Polymer Detection Kits					
	Made in horse	MP-5402	MP-7402	MP-6402	MP-7602	MP-7802
	Made in horse (rat adsorbed)		MP-7422			
	Made in goat		MP-7452			
	M.O.M. (Mouse on Mouse) ImmPRESS HRP Polymer Kit ⁴		MP-2400			
	M.O.M. (Mouse on Mouse) ImmPRESS HRP Polymer Anti-Mouse Reagent		MPX-2402			
Rabbit and Mouse	ImmPRESS Universal (Anti-Mouse/Rabbit IgG) Polymer Detection Kits (made in horse) ⁵					
	ImmPRESS Duet Double Staining HRP/AP Polymer Kit (anti-rabbit IgG-brown, anti-mouse IgG-red) ⁶	-----MP-7714-----				MP-7800
	ImmPRESS Duet Double Staining HRP/AP Polymer Kit (anti-mouse IgG-brown, anti-rabbit IgG-red) ⁶	-----MP-7724-----				
Rat	ImmPRESS Anti-Rat IgG Polymer Detection Kit					
	Made in goat	MP-5404	MP-7404			
	Made in goat (mouse adsorbed)	MP-5444	MP-7444			
Goat	ImmPRESS Anti-Goat IgG Polymer Detection Kit					
ImmPACT Enzyme Substrates						
	ImmPACT Vector Red (Magenta)	SK-5105				
	ImmPACT DAB EqV (Brown)		-----SK-4103-----			
	ImmPACT DAB (Brown)		-----SK-4105-----			
	ImmPACT AEC (Red)		-----SK-4205-----			
	ImmPACT AMEC Red (Red)		-----SK-4285-----			
	ImmPACT VIP (Purple)		-----SK-4605-----			
	ImmPACT SG (blue/gray)		-----SK-4705-----			
	ImmPACT NovaRed™ (Red)		-----SK-4805-----			

¹Eliminate off-target binding, increase signal specificity in bovine, goat, sheep, swine, horse, cat, dog, rabbit, rat, and mouse tissues.

²Maximize sensitivity with a two-step protocol using an amplifier antibody; not recommended for bovine, goat, or sheep tissue (amplifier antibody made in goat, may cross-react with endogenous IgG).

³Comprehensive kits that include BLOXALL Endogenous Blocking Solution and ImmPACT EqV DAB Substrate.

⁴Designed for localization of mouse primary antibodies on mouse tissue samples.

⁵Contains both anti-rabbit and -mouse IgG, for laboratories using both types of primary antibodies (eliminates need to purchase two separate kits).

⁶Designed for use in dual antigen labeling studies; includes BLOXALL Endogenous Blocking Solution and ImmPACT EqV DAB and ImmPACT Vector Red substrates.

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