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). Hematoxylon QS counterstain (blue).

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

vectorlabs.com
One-Step Detection Kits
Species-specific, enzyme conjugated secondary antibody polymers.

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

Two-Step Detection Kits
Anti-mouse and anti-rabbit IgG HRP conjugated secondary antibody polymers with additional amplifying reagent.

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

Double Staining Kits
Anti-mouse and anti-rabbit IgG HRP and AP conjugated secondary antibody cocktail.

Select for:
- Double antigen staining
- Reduce, optimization requirements
- Streamline the procedure

Species on Species Detection
Mouse on Mouse (M.O.M.™) ImmPRESS™ HRP Polymer Kit

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

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Product</th>
<th>Alkaline Phosphatase (AP)</th>
<th>Horseradish Peroxidase (HRP)</th>
<th>Veterinary HRP Reagent (VR)</th>
<th>Excel Amplified (HRP)</th>
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<tbody>
<tr>
<td>Rabbit</td>
<td>ImmPRESS™ Anti-Rabbit IgG Polymer Detection Kits</td>
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<td>Mouse</td>
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<td>Rabbit and Mouse</td>
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<td>Rabbit and Mouse</td>
<td>ImmPRESS™ Duet Double Staining HRP/AP Polymer Kit (anti-rabbit IgG-brown, anti-mouse IgG-red)</td>
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<td>Goat</td>
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## Vector® ImmPACT™ Enzyme Substrates

| ImmPACT™ Vector® Red (Magenta) | SK-5105 | SK-4105 | SK-4015 | SK-4205 | SK-4285 | SK-4605 | SK-4705 | SK-4805 | SK-4905 | SK-4105 |

1. Eliminate off-target binding, increase signal specificity in bovine, goat, sheep, swine, horse, cat, dog, rabbit, rat, and mouse tissues.
2. Maximize sensitivity with a two-step protocol using an amplifier antibody; includes ImmPACT™ DAB EqV substrate; not recommended for bovine, goat, or sheep tissue (amplifier antibody made in goat, may cross-react with endogenous IgG).
3. Designed for localization of mouse primary antibodies on mouse tissue samples.
4. Contains both anti-rabbit and -mouse IgG, for laboratories using both types of primary antibodies (eliminates need to purchase two separate kits).
5. Designed for use in dual antigen labeling studies; includes ImmPRESS™ DAB and ImmPRESS™ Vector® Red substrates.