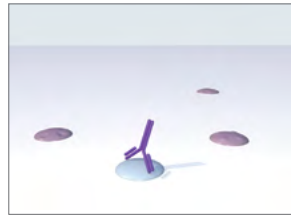


Immunohistochemistry Selection Guide

Follow the simple steps below to choose the most appropriate labeling and detection solution for your experiment.

1 Choose Primary Antibody

- Specific for antigen of interest
- Consider tissue species and preparation (fixation)
- Consider antigen retrieval requirements



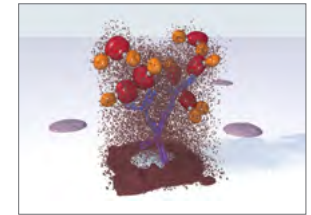
[VECTABOND™ Reagent](#)
(Tissue Section Adhesive)

Blocking Reagents

- Choices determined by the options selected in Steps 1-4
- [BLOXALL™ endogenous enzyme blocking reagents \(HRP/AP\)](#)
- [Avidin/Biotin Blocking Kit](#) (if using VECTASTAIN® ABC system)
- [Normal Sera](#) (from the species of secondary antibody)
- [M.O.M.™ Mouse Ig Blocking Reagent](#)
- [Animal-Free Block and Diluent](#)
- [BSA](#)
- [Casein Solution](#)

3 Choose Enzyme Substrate

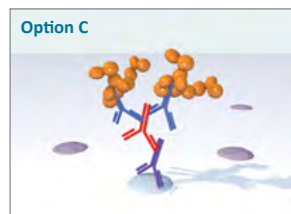
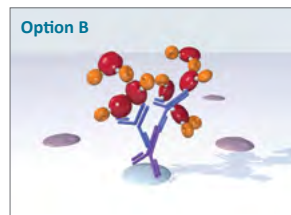
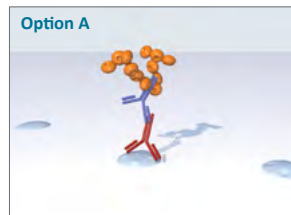
- Color
- Compatibility with other system reagents (counterstains, mounting media and other substrates for multiplexing)



2 Choose Secondary Antibody and Tertiary Detection System

- Choose HRP or AP enzyme system
- Consider sensitivity requirements
- Consider species of primary antibody
- Consider tissue species

SECONDARY DETECTION SYSTEMS



One Step

Convenient. Consistent. Ready-to-use. Non-Biotin based.

- [ImmPRESS™ Polymer Reagents](#)



Two Step

Economical. Biotin-based.

- [Biotinylated secondary antibody](#) + [ABC Complex](#) ([VECTASTAIN® Elite® ABC Kit](#))



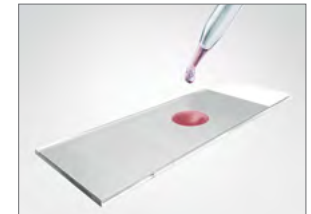
Two Step

Highest sensitivity. Non-biotin based.

- [ImmPRESS™ Excel Amplified Polymer Staining Systems](#)

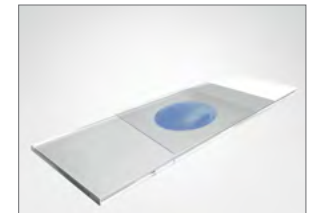
4 Choose Nuclear Counterstain

- Blue, green, or red
- Compatibility with substrate, mounting media



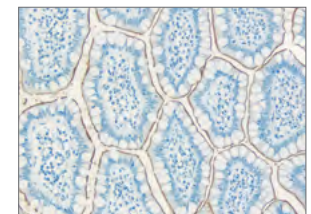
5 Choose Mounting Media

- Aqueous vs. non-aqueous
- Compatibility with substrate(s) and counterstain



6 Visualize

- Brightfield microscope



Small bowel: CD10 (m), VECTASTAIN® Elite® ABC Kit, ImmPACT™ DAB HRP Substrate (brown). Hematoxylin QS counterstain (blue).

Legend



Primary antibody



Secondary antibody



Amplifier antibody



Enzyme (HRP or AP)



Biotinylated enzyme (HRP or AP)



Avidin

Ordering Information

1 Tissue Preparation

Product	Catalog Number
VECTABOND™ Reagent (Tissue Section Adhesive)	SP-1800
ImmPrint™ Histology Pen	H-6100
ImmEdge™ Hydrophobic Barrier Pen	H-4000

Antigen Retrieval

Product	Catalog Number
Antigen Unmasking Solution Citrate-based (100X) (pH 6.0)	H-3300
Antigen Unmasking Solution Tris-based (100X) (pH 9.0)	H-3301

Quench/Block

Product	Catalog Number
BLOXALL™ Endogenous HRP and AP Blocking Solution	SP-6000
Avidin/Biotin Blocking Kit	SP-2001
Streptavidin/Biotin Blocking Kit	SP-2002
Normal Goat Serum	S-1000
Normal Horse Serum	S-2000
Normal Rabbit Serum	S-5000
2.5% Normal Horse Serum	S-2012
Bovine Serum Albumin (BSA)	SP-5050
10x Casein Solution	SP-5020
R.T.U. Animal-Free Block and Diluent	SP-5035
M.O.M.™ Mouse Ig Blocking Reagent	MKB-2213
Carbo-Free™ Blocking Solution	SP-5040

2 Secondary Antibodies and Tertiary Reagents

Product	Catalog Number	Product	Catalog Number
ImmPRESS™ Polymer Reagents		VECTASTAIN® ABC Complex Reagents	
ImmPRESS™ HRP Anti-Rabbit IgG Kit (made in horse)	MP-7401	VECTASTAIN® Elite® ABC Kit, Standard, HRP	PK-6100
ImmPRESS™ HRP Anti-Rabbit IgG Kit (made in goat)	MP-7451	VECTASTAIN® Elite® ABC Kit, Rabbit IgG, HRP	PK-6101
ImmPRESS™ HRP Anti-Mouse IgG Kit, (made in horse)	MP-7402	VECTASTAIN® Elite® ABC Kit, Mouse IgG, HRP	PK-6102
ImmPRESS™ HRP Anti-Mouse IgG Kit (made in goat)	MP-7452	VECTASTAIN® Elite® ABC Kit, Rat IgG, HRP	PK-6104
ImmPRESS™ HRP Anti-Mouse IgG, Rat Adsorbed, Kit (made in horse)	MP-7422	VECTASTAIN® Elite® ABC Kit, Goat IgG, HRP	PK-6105
ImmPRESS™ HRP Anti-Rat IgG Kit (made in horse)	MP-7404	VECTASTAIN® Elite® ABC Kit, Universal, HRP	PK-6200
ImmPRESS™ HRP Anti-Rat IgG Kit, Mouse Adsorbed Kit (made in horse)	MP-7444	R.T.U. VECTASTAIN® Elite® ABC Reagent, HRP	PK-7100
ImmPRESS™ HRP Anti-Goat IgG Kit (made in horse)	MP-7405	R.T.U. VECTASTAIN® Elite® ABC Kit, Universal, HRP	PK-7200
ImmPRESS™ HRP Universal Antibody Kit, Anti-Rabbit/Mouse Kit (made in horse)	MP-7500	VECTASTAIN® ABC Kit, Standard, AP	AK-5000
ImmPRESS™ VR Anti-Rabbit IgG Kit (made in horse)	MP-6401	VECTASTAIN® ABC Kit, Rabbit IgG, AP	AK-5001
ImmPRESS™ VR Anti-Rabbit IgG Kit (made in horse)	MP-6402	VECTASTAIN® ABC Kit, Mouse IgG, AP	AK-5002
ImmPRESS™ Excel Amplified Anti-Rabbit IgG Kit (made in horse)	MP-7601	VECTASTAIN® ABC Kit, Universal	AK-5200
ImmPRESS™ Excel Amplified Anti-Mouse IgG Kit (made in horse)	MP-7602	Biotinylated Secondary Reagents	
ImmPRESS™ AP Anti-Rabbit IgG Kit (made in horse)	MP-5401	Anti-Goat IgG (H+L) made in rabbit	BA-5000
ImmPRESS™ AP Anti-Mouse IgG Kit (made in horse)	MP-5402	Anti-Goat IgG (H+L) made in horse*	BA-9500
ImmPRESS™ AP Anti-Rat IgG Kit (made in horse)	MP-5404	Anti-Human IgG (H+L) made in goat	BA-3000
ImmPRESS™ AP Anti-Goat IgG Kit (made in horse)	MP-5444	Anti-Mouse IgG (H+L) made in horse*	BA-2000
ImmPRESS™ AP Anti-Goat IgG Kit (made in horse)	MP-5405	Anti-Mouse IgG (H+L) made in horse, rat adsorbed	BA-2001
Mouse on Mouse (M.O.M.) Kits		Anti-Mouse IgG (H+L) made in goat*	BA-9200
M.O.M.™ ImmPRESS™ HRP Polymer Kit	MP-2400	Anti-Mouse IgM (H+L) μ chain specific, made in goat	BA-2020
M.O.M.™ Basic Kit	BMK-2202	Anti-Rabbit IgG (H+L) made in goat*	BA-1000
M.O.M.™ Peroxidase Kit	PK-2200	Anti-Rat IgG (H+L) made in rabbit	BA-4000
M.O.M.™ Biotinylated Anti-Mouse Ig Reagent	MKB-2225	Anti-Rat IgG (H+L) made in rabbit, mouse adsorbed	BA-4001
M.O.M.™ ImmPRESS™ HRP Polymer Anti-Mouse Reagent	MPX-2402	Anti-Rat IgG (H+L) made in goat*	BA-9400
		Universal Anti-Mouse/Rabbit IgG (H+L) made in horse*	BA-1400

3 Substrates/Chromogen

Product	Catalog Number
Vector® DAB	SK-4100
Vector® DAB +Ni	SK-4100
ImmPACT™ DAB	SK-4105
ImmPACT™ DAB EqV	SK-4103
Vector® VIP	SK-4600
Vector® SG	SK-4700
Vector® NovaRED™	SK-4800
ImmPACT™ NovaRED™	SK-4805
Vector® AEC	SK-4200
ImmPACT™ AEC	SK-4205
ImmPACT™ AMEC Red	SK-4285
TMB	SK-4400
Vector® Red	SK-5100
ImmPACT™ Vector® Red	SK-5105
Vector® Blue	SK-5300
BCIP/NBT	SK-5400

4 Counterstain

Product	Catalog Number
Vector® Hematoxylin	H-3401
Vector® Hematoxylin QS	H-3404
Vector® Methyl Green	H-3402
Vector® Nuclear Fast Red	H-3403

5 Coverslip/Mount

Product	Catalog Number
VectaMount™ Permanent Mounting Medium	H-5000
VectaMount™ AQ Aqueous Mounting Medium	H-5501

* Also available Ready-to-use, prediluted stabilized solutions