

Vector® M.O.M.® ImmPRESS® (Mouse on Mouse) Immunodetection Kit

For years, researchers attempting to localize mouse primary antibodies on mouse tissue have relied on the Vector® M.O.M.® Kit to produce crisp, strong, specific staining of antibody targets. The specific detection of mouse primary antibodies on mouse tissue is difficult due to the presence of endogenous mouse immunoglobulins. A conventional anti-mouse detection system cannot distinguish between the mouse primary antibody and the endogenous mouse immunoglobulins leading to high background. The Vector® M.O.M.® Kit, including a proprietary M.O.M.® Mouse Ig Blocking Reagent and a paired, specialized secondary antibody detection system, essentially eliminates this problem by significantly reducing undesired binding of the secondary antibody to endogenous tissue immunoglobulin.

A Vector® M.O.M.® Kit is now available containing our proprietary M.O.M.® Mouse Ig Blocking Reagent paired with a specialized, highly sensitive, ready-to-use, one-step, non-biotin M.O.M.® ImmPRESS® peroxidase polymer reagent. Producing the same outstanding staining as the original M.O.M.® Peroxidase Kit is now even easier using the M.O.M.® ImmPRESS® Peroxidase Polymer Kit.

The Vector® M.O.M.® ImmPRESS® Kit (MP-2400) contains sufficient reagents to stain approximately 150 mouse sections and includes the following reagents:

- 0.6 ml M.O.M.® Mouse Ig Blocking Reagent (concentrate)
- 30 ml R.T.U. 2.5% Normal Horse Serum
- 15 ml R.T.U. M.O.M.® ImmPRESS® Anti-Mouse Ig Reagent

Key advantages

- **Significant reduction** of endogenous mouse Ig staining when using mouse primary antibodies on mouse tissue
- **Clear, crisp** specific staining of antigens of interest
- **Simple, easy** procedure
- **No tedious calculations** required
- **Non-biotin**

FIGURE LEGEND

- 1 **Without M.O.M.®:** mouse intestine stained with standard anti-mouse Ig polymer system and Vector® DAB Substrate. Hematoxylin counterstain.
- 2 **With M.O.M.®:** mouse intestine stained with Vector® M.O.M.® ImmPRESS® Kit, Vector® DAB Substrate and no primary antibody. Hematoxylin counterstain.
- 3 **With M.O.M.® and primary antibody** mouse intestine stained with Ki67 mouse antibody, Vector® M.O.M.® ImmPRESS® Kit and Vector® DAB Substrate. Hematoxylin counterstain.



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 **VECTOR**
LABORATORIES
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Available in Canada from...

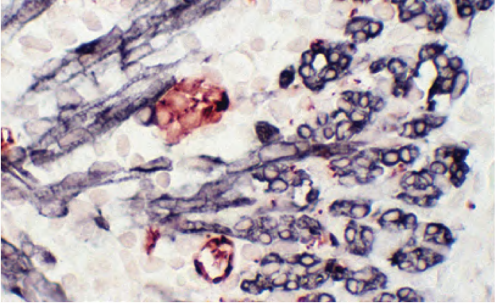
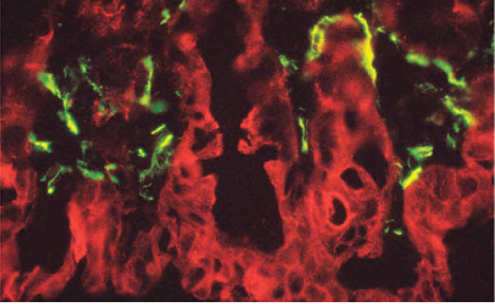
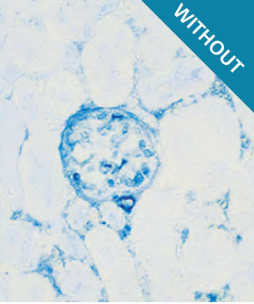

MJS
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Vector® M.O.M.®

(Original Mouse on Mouse Kits and Reagents)

Peroxidase Kit <small>CATALOG # PK-2200</small>	Fluorescein Kit <small>CATALOG # FMK-2201</small>	Basic Kit <small>CATALOG # BMK-2202</small>	
			
<ul style="list-style-type: none"> • M.O.M.® Mouse Ig Blocking Reagent • M.O.M.® Biotinylated Anti-Mouse Ig Reagent • M.O.M.® Protein Concentrate for general protein blocking and diluent • VECTASTAIN® Elite® ABC Reagent 	<ul style="list-style-type: none"> • M.O.M.® Mouse Ig Blocking Reagent • M.O.M.® Biotinylated Anti-Mouse Ig Reagent • M.O.M.® Protein Concentrate for general protein blocking and diluent • Fluorescein Avidin DCS (green fluorescence, excitation at 495 nm; emission at 515 nm) 	<ul style="list-style-type: none"> • M.O.M.® Mouse Ig Blocking Reagent • M.O.M.® Biotinylated Anti-Mouse Ig Reagent • M.O.M.® Protein Concentrate for general protein blocking 	

M.O.M.® Mouse Ig Blocking Reagent

M.O.M.® Mouse Ig Blocking Reagent (MKB-2213) is a key component of the M.O.M.® Kits and is used to block endogenous mouse antibody in the tissue section. Optimal staining results are obtained when this reagent is paired with the special M.O.M.® Biotinylated Anti-Mouse Ig Reagent. If a biotin-free detection system is preferred, the M.O.M.® Blocking Reagent can be used with the M.O.M.® ImmPRESS® Anti-Mouse Ig Reagent (MPX-2402). This reagent is supplied as a 1 ml concentrate, sufficient to prepare about 25 ml of working solution or enough to stain about 250 sections.

M.O.M.® Biotinylated Anti-Mouse Ig Reagent

M.O.M.® Biotinylated Anti-Mouse Ig Reagent (MKB-2225) is a specially modified secondary antibody that has been optimized specifically for use with the Vector® M.O.M.® Immunodetection Kit components. This is the same reagent contained in the Vector® M.O.M.® Kits (PK-2200, FMK-2201, and BMK-2202).

Vector M.O.M.® Kits and reagents:

Product	Catalog Number
M.O.M.® Peroxidase Kit	PK-2200
M.O.M.® Fluorescein Kit	FMK-2201
M.O.M.® Basic Kit	BMK-2202
M.O.M.® ImmPRESS® HRP Polymer Kit	MP-2400
M.O.M.® Mouse Ig Blocking Reagent	MKB-2213
M.O.M.® Biotinylated Anti-Mouse Ig Reagent*	MKB-2225
M.O.M.® ImmPRESS® HRP Polymer Anti-Mouse Reagent	MPX-2402

* This reagent must be used with the M.O.M.® Mouse Ig Blocking Reagent (MKB-2213). It is not intended to be a stand-alone reagent for mouse on mouse applications.

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