Ultra High Def™ Polymer Mouse-AP Reagent
Instructions for Use

Catalog No. P1-M-10-AP; P1-M-100-AP
Document #: P1-M-AP
Effective Date: 12/04/2017, IFU-231 Rev A

Intended Use

For In Vitro Diagnostic Use

Ultra High Def™ Polymer Mouse-AP reagent is a non-biotin one-step detection reagent suitable for demonstrating antigens in formalin-fixed paraffin-embedded tissues and frozen sections. These polymer detection reagents may also be used with blood smears, cytosmears, and cell preparations.

Ultra High Def™ Polymer Mouse-AP detection reagents have been developed by directly labeling anti-mouse immunoglobulins with enzymes using a proprietary tandem hyperlabelling technology. This ensures consistent and reproducible immunodetection of mouse antibodies against nuclear, cytoplasmic and membrane antigens in different types of tissues. The single step Detection Reagent enables faster staining procedures than traditional two-step methods using biotin and avidin/streptavidin conjugates, with significantly lower background.

Ultra High Def™ Polymer Mouse-AP Detection Reagent is suitable for use with mouse all mouse antibodies, both monoclonal and polyclonal. The reagents can be used for manual staining or with automated staining instruments and are well suited for multiplex immunohistochemical staining assays.

Kit Contents

Description	Catalog #	Volume
Ultra High Def™ Polymer Mouse-AP	P1-M-10-AP	10 ml
	P1-M-100-AP	100 ml

Storage

Store at 2°-8°C. away from light. Do not use product after the expiration date printed on the vial. If reagents are stored under conditions other than those specified here, they must be verified by the user.

Stability

12-18 months (see expiration date on reagent bottles)

Composition

Ultra High Def™ Polymer Mouse-AP ready to use reagent is formulated without azide or thimerosol preservatives.

Material Required But Not Provided

Some of the reagents and materials required for IHC are not provided. Pretreatment reagents, detection systems, control reagents, and other ancillary reagents are available from StatLab Medical Products. Please refer to the StatLab Medical Products website at www.statlab.com

Precautions

i) Wear appropriate personal protective apparel. Avoid contact with clothes and exposed skin. In case of accidental skin exposure, flush with water immediately. Consult a physician if required.
ii) Interpretation of the results is the sole responsibility of the user.

Troubleshooting

If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem is suspected, contact StatLab Medical Products, Technical Support at (800) 442-3573, extension 229 or ihctechsupport@statlab.com

Recommended Staining Protocol

1. Paraffin embedded tissue sections must be deparaffinized with xylene or dewaxing agent and rehydrated with a graded series of ethanol and water washes before staining. Follow the standard dewaxing and rehydration protocol used in your lab.
2. The investigator needs to optimize the dilution and incubation times for primary antibodies.
3. Each Immunostaining run should include known positive and negative controls to assure proper functioning of the staining system and aid in valid interpretation of the results.

Typical Controls:
Positive Control-A tissue known to contain the desired antigen, which has yielded positive staining in the past.

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Negative Controls:
Reagent Controls:

A. Substitute normal non-immune serum from the same host animal as the primary (e.g. if using mouse monoclonal primary antibodies, use mouse non-immune serum).
B. Substitute matching host species isotype control for primary antibody
C. Use antigen-adsorbed primary antibody (i.e. antibody reagent which has been adsorbed with the target antigen to remove specific antibody

Tissue Control-A tissue known to *not* contain the desired antigen.

4. Consult the primary antibody supplier for recommended antigen retrieval treatments. Perform epitope recovery pretreatments before starting the staining procedure.
5. Once the slide treatment has been started, DO NOT let tissues or specimens dry. This can cause undesirable background or artifacts.
6. After the Primary Antibody application, wash slides with Immuno Wash Buffer (StatLab # ACR-015)
7. Apply Ultra High Def™ Polymer Mouse-AP reagent (Make sure tissue sections/smears are completely covered with the reagent and incubate for 20 minutes at room temperature.
8. Wash slides with Immuno Wash Buffer then proceed to chromogen labeling and counterstain steps.

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