**Keratin 5 Ab-1**

**Catalog #** MS-1896-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

**Catalog #** MS-1896-R7 (7.0ml)

**Catalog #** MS-1896-PCS

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**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

- **Description:** Twenty human keratins are divided into acidic (pI <5.7) and basic (pI >6.0) subfamilies. Members of the acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with the epithelial cell type, stage of differentiation, cellular growth environment, and disease state. Many studies have shown the usefulness of keratins as markers in cancer research and tumor identification. Point mutations in cytokeratin-5 gene may cause epidermolysis bullosa simplex. It is expressed in most epithelial and biphasic mesotheliomas.

- **Expected Staining Pattern:** Cytoplasmic

- **Positive Control:** Mesothelioma.

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**MATERIALS PROVIDED:**

**Keratin 5 Ab-1 (refer to catalog number):**

- #MS-1896-S, (or -S0, -S1) Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.

- or

- #MS-1896-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.

- or

- #MS-1896-PCS: 5 positive control slides.

- **Antibody Concentration:** Not known

- **Host:** Mouse

- **Mol. Wt. of Antigen:** 58kDa

- **Epitope:** C-terminal

- **Species Reactivity:** Human. Others-not known.

- **Clone Designation:** XM26

- **Ig Isotype / Light Chain:** IgG1 / kappa

- **Immunogen:** Recombinant protein corresponding to C-terminal 103 aa of cytokeratin 5

- **Microbiological State:** This product is not sterile.

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**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.

- **Negative Control Reagent:** Refer to the “General Protocol” instructions.

- **Visualization System:** Refer to the “General Protocol” instructions.

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**METHODS AND PROCEDURES:**

<table>
<thead>
<tr>
<th>Specimen Preparation</th>
<th>Refer to the “General Protocol” instructions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dilution of Concentrated Antibody</td>
<td>1:20 in antibody diluent</td>
</tr>
<tr>
<td>Tissue Section Pretreatment</td>
<td>Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min..</td>
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<tr>
<td>Primary Antibody Incubation Time</td>
<td>30 mins at Room Temperature</td>
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<tr>
<td>Visualization</td>
<td>To detect antibody, follow the instructions provided with the visualization system.</td>
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</tbody>
</table>

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**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.
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Catalog # MS-1896-R7 (7.0ml)
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REFERENCES: