

**Keratin, Pan Ab-1**

Catalog # MS-343-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # MS-343-R7 (7.0ml)

Catalog # MS-343-PCS

Please note this data sheet has been changed effective March 29, 2010

**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 resolved with two-dimensional gel electrophoresis into acidic (pI <5.7) and basic (pI >6.0) subfamilies. The acidic keratins have molecular weights of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa. The basic keratins have molecular weights of 65-67, 64, 59, 58, 56 and 52kDa. Members of acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with cell type, differentiation status and environment. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Skin. Lung CA

**MATERIALS PROVIDED:**

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

- #MS-343-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #MS-343-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-343-PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Mouse
- **Species Reactivity:** Human, Monkey, Cow, Rabbit, Mouse, Rat, Chicken. Others-not known.
- **Clone Designation:** AE1/AE3
- **Ig Isotype / Light Chain:** IgG1 + IgG1
- **Immunogen:** Human epidermal keratin
- **Microbiological State:** This product is not sterile.

**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.

**METHODS AND PROCEDURES:**

<b>Using UltraVision LP detection systems</b>	
<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:50 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in trypsin at 1 mg/ml PBS, (Lab Vision Catalog # AP-9008) for 10 minutes at 37C.
<b>Primary Antibody Incubation Time</b>	20 minutes at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

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<b>Using UltraVision Quanto detection systems</b>	
<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:50 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 1mM EDTA, pH 8.0, (NEOMARKERS' Cat. #AP-9004), for 10-20 min followed by cooling at RT for 20 min.
<b>Primary Antibody Incubation Time</b>	20 minutes at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**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.

**REFERENCES:**

- 1) Woodcock-Mitchell J; et al. Journal of Cell Biology, 1982 Nov, 95(2 Pt 1):580-8.
- 2) Tseng SC; et al. Cell, 1982 Sep, 30(2):361-72.
- 3) Eichner R; et al. J Cell Bio, 1984 98:1388-96.
- 4) Cooper D; et al. Differentiation, 1984, 28::30-5.