

Keratin, Pan Ab-3

Catalog # MS-744-A0, -A1, or -A (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-744-R7 (7.0ml)

Catalog # MS-744-PCS

Please note this data sheet has been changed effective Mar 2, 2009

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. 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 diagnosis.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Skin or squamous cell CA

MATERIALS PROVIDED:

Keratin, Pan Ab-3 (refer to catalog number):

- #MS-744-A (or -A0, -A1): Unspecified amount of purified immunoglobulins, concentrated, in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #MS-744-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-744-PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Epitope:** Not determined
- **Species Reactivity:** Human, Cow, Rat, Chicken, Snake, and Frog. Shows a very wide reactivity in vertebrates.
- **Clone Designation:** Lu-5
- **Ig Isotype / Light Chain:** IgG1
- **Immunogen:** Lung cancer cell line
- **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:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:25 – 1:50 in antibody diluent using UltraVision LP Systems
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in pepsin at 1 mg/ml Tris-HCL, pH 2.0 (Lab Vision Catalog # AP-9007) for 15 minutes at room temperature or 10 minutes at 37C.
Primary Antibody Incubation Time	20 minutes at Room Temperature
Visualization	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) Von Overbeck J. et. al. Virchows Arch A Pathol Anat Histopathol 1985; 407 (1):1-12.