



Cytokeratin (KL1)

Catalog # 10042.05 or .10 (0.5 ml or 1.0 ml concentrated)

Catalog # 10042.50 (5 ml ready to use)

INTENDED USE

- **In Vitro:** This product is intended for qualitative immunohistochemistry on normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be analyzed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- **Description:** This monoclonal antibody reacts on normal and neoplastic cells of epithelial origin. It does not react on epidermal basal layer cells. Specificity: Cytokeratins 1, 2, 5, 6, 7, 8, 10, 11, 14, 16, 17, 18 and 19.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Skin, pancreas

MATERIALS PROVIDED

- Cytokeratin specific mouse monoclonal antibody: #10042, purified, concentrated, in TBS pH 7.3 - 7.7, with 1% BSA and 0.09% sodium-azide.
- **Antibody Concentration:** 0,2 mg/ml
- **Host:** Mouse
- **Epitope:** Not determined
- **Species Reactivity:** Human, rat, mouse, rabbit, cat, dog, zebrafish.
- **Clone:** KL1
- **Ig Isotype / Light Chain:** IgG1 / Kappa
- **Immunogen:** Human keratin isolated from epidermal stratum corneum.
- **Sterility:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED

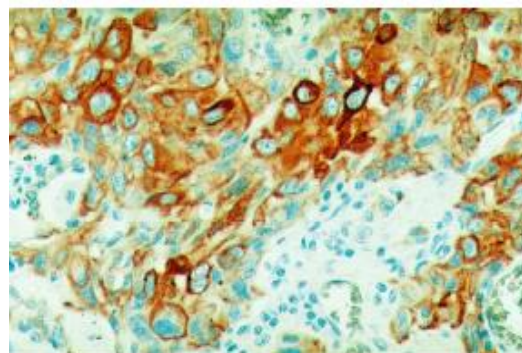
- Detection system
- Chromogen/substrate system

METHODS AND PROCEDURES

- **Tissue Section Pretreatment:** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- **Recommended Pretreatment:** HISTOLS®-Citrate Buffer (cat#30010) HISTOLS®-Peroxidase Blocking Solution (cat# 30013) HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- **Dilution of Concentrated Antibody:** 1:50 -1:100 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- **Primary Antibody Incubation Time:** 60 minutes at RT.
- **Recommended Detection System:** HISTOLS®-MR (anti-mouse & rabbit Ig) (cat# 30011)
- **Recommended Chromogen/substrate system:** HISTOLS®- Resistant AEC (kat#30015.K)
- **Visualization:** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

STORAGE AND STABILITY

This product contains sodium azide and is stable 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.



KL1, lung carcinoma

