

**Product:** Anti-Cytokeratin #18.04  
**Catalog #:** 03-61028      **Purified**  
                  03-61428      **FITC**  
                  03-61528      **Biotin**  
**Amount:** 200 µl      **Purified**  
                  50 µl      **Conjugates**

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**CATEGORY:** Mouse monoclonal  
**CLONE DETERMINATION:** Ks 18.04  
**IMMUNOGLOBULIN CLASS:** IgG<sub>1</sub>  
**IMMUNOGEN:** Human Cytokeratin #18 from HeLa cytoskeletal preparation  
**PURIFICATION:** SpAss-Protein A (recombinant)  
**DESCRIPTION/SPECIFICITY:** Ks 18.04 represents an excellent marker to discriminate simple epithelia from those of different origin. Tumor specifically detected: All adenocarcinomas; mammary carcinoma; urinary bladder carcinoma; undifferentiated carcinomas; cervix carcinoma and hepatocellular carcinomas. Polypeptide reacting: MR 45,000 polypeptide (human cytokeratin #18) of all simple type epithelia and basal cells of many squamous, nonepidermal epithelia.

**ANTIGEN RECOGNIZED IN SPECIES (tested so far):** human, mouse, rat, bovine, pig, dog, hamster, sheep, fish (trout)  
**APPLICATION:** Immunohistochemistry, suitable for frozen tissue and paraffin embedded tissue  
Cytological material  
Immunoblotting (Western)  
FACS  
ELISA

**REACTIVITIES ON CULTURED LINES (tested so far):** MCF-7 and HeLa.  
**WORKING DILUTION:** 1:10 (immunohistochemistry)  
**INCUBATION TIME:** 1 hour at 37°C, extended with paraffin overnight at 2-8°C.  
**STORAGE:** 2-8°C for immediate use or at -20°C (aliquot)

**REFERENCES:**  
Bartek, J. et al. (1991) J. Pathol. **164**: 215-224  
Layerova, L. et al. (1988). Hybridoma **7**: 495-504  
Markl, J., Winter, S. and Franke, W.W. (1989) Eur. J. Cell Biol. **50**: 1-16  
Moll, R. et al. (1982). Cell **31**: 11-24

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