# Cytokeratin 18 (KRT18) Antibody

Mouse Monoclonal Antibody [Clone Cocktail]

| Catalog No | Format | Size |
|---|---|---|
| 3875-MSM8-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3875-MSM8-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3875-MSM8-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

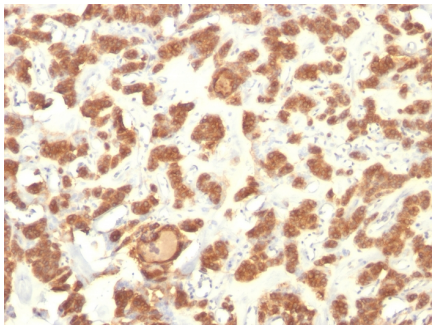
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

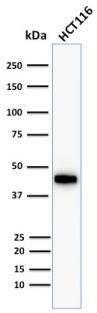
| | |
|---|---|
| **Clone** | Cocktail |
| **Gene Name** | KRT18 |
| **Immunogen** | Recombinant full-length human KRT18 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 45kDa |
| **Cellular Localization** | Cytoplasm, Nucleolus, Nucleus, Perinuclear region |
| **Species Reactivity** | Human |
| **Positive Control** | A431 cells. Breast Cancer., HeLa, MCF-7 |

**Optimal dilution for a specific application should be determined.*

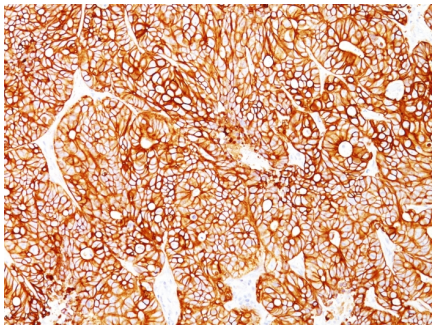
## Product Images for Cytokeratin 18 (KRT18) Antibody



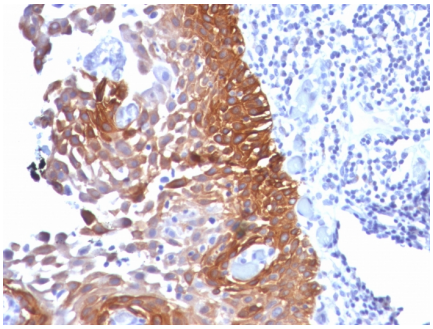
Formalin-fixed, paraffin-embedded human Thyroid Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



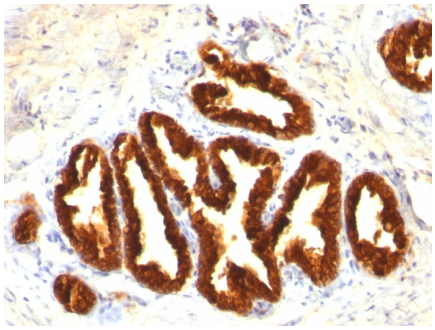

Western Blot Analysis of human HCT116 cell lysate using Cytokeratin 18Mouse Monoclonal Antibody (Cocktail).



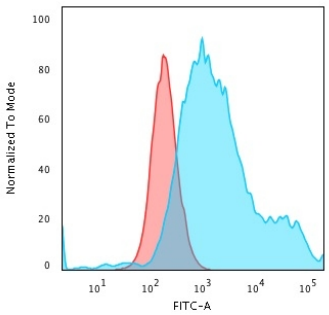
Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



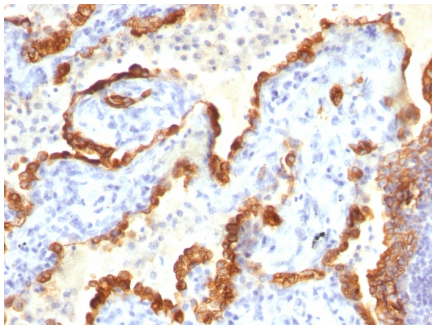
Formalin-fixed, paraffin-embedded human Cervical Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).




Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



Formalin-fixed, paraffin-embedded human Lung Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).

## Specificity & Comments

This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

## Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

Autophagy, Developmental Biology

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.