

## 36-2689: Anti-Cytokeratin 18 (KRT18) Monoclonal Antibody(Clone: C-04; same as Ks18.04)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	C-04; same as Ks18.04
<b>Application :</b>	FACS,IF,WB,IHC
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	KRT18
<b>Gene ID :</b>	3875
<b>Uniprot ID :</b>	P05783
<b>Alternative Name :</b>	Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Cytoskeletal preparation extracted from the human vulvar squamous carcinoma cell line A431

### Description

This MAbs 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 was 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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 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&degC followed by cooling at RT for 20 minutes);

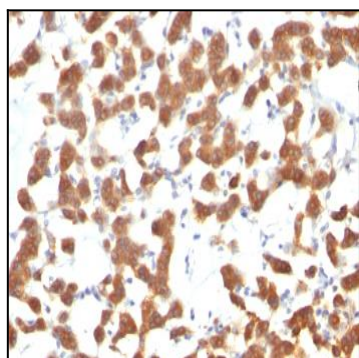


Fig. 1: Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (C-04).

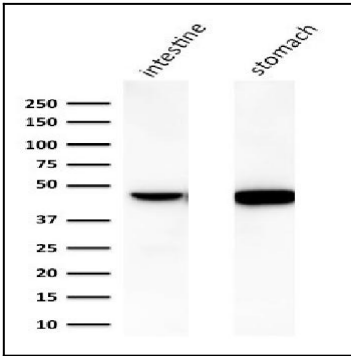


Fig. 2: Western Blot Analysis of human A) intestine and B) stomach lysate using Cytokeratin 18 Mouse Monoclonal Antibody (C-04).

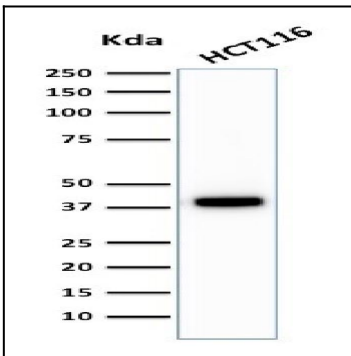


Fig. 3: Western Blot Analysis of HCT116 cell lysate using Cytokeratin 18 Mouse Monoclonal Antibody (C-04).

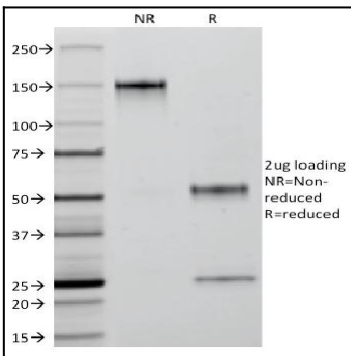


Fig. 4: SDS-PAGE Analysis Purified Cytokeratin 18 Mouse Monoclonal Antibody (C-04). Confirmation of Integrity and Purity of Antibody.

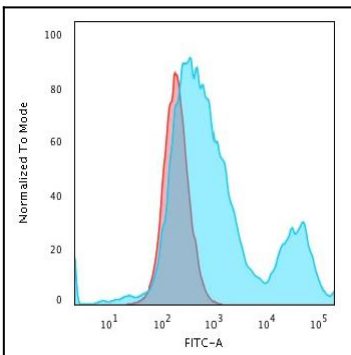


Fig. 5: Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 18 Mouse Monoclonal Antibody (C-04) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)