Cytokeratin 18 (KRT18) Antibody

Mouse Monoclonal Antibody [Clone KRT18/836]

Catalog No	Format	Size
3875-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3875-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3875-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

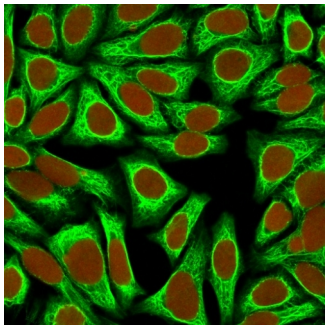
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

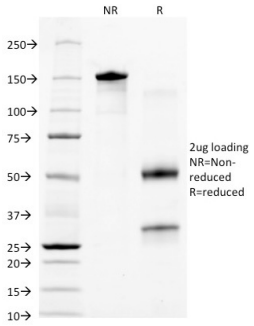
Clone	KRT18/836
Gene Name	KRT18
Immunogen	Recombinant full-length human KRT18 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	45kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleus, Perinuclear region
Species Reactivity	Cat, Dog, Human
Positive Control	A431 cells. Breast Cancer., HCT116, HeLa, MCF-7

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

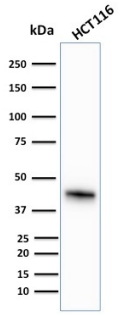
Product Images for Cytokeratin 18 (KRT18) Antibody



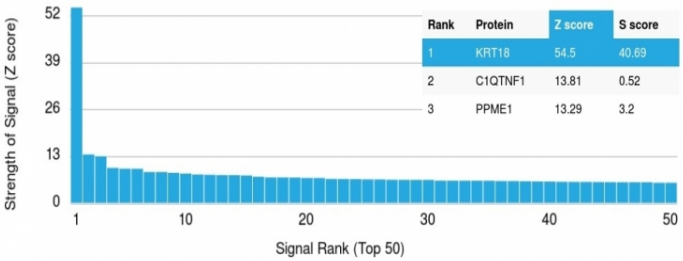
Confocal Immunofluorescence image of HeLa cells using Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/836) Green (CF488) and Reddot is used to label the nuclei.



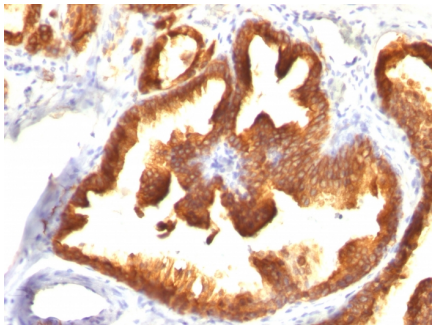
SDS-PAGE Analysis of Purified Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/836). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of human HCT116 cell lysate using Cytokeratin 18Mouse Monoclonal Antibody (KRT18/836)



Analysis of Protein Array containing >19,000 full-length human proteins using Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/836) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/836).

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.

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