

# Product Datasheet

## Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free NBP2-47978-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-47978-0.1mg**

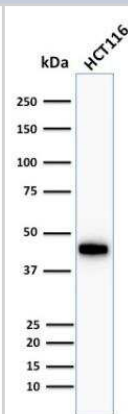
Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at -20 to -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	Cocktail
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa/IgG1 Kappa/IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS
<b>Target Molecular Weight</b>	45 kDa
<b>Product Description</b>	
<b>Description</b>	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44907).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
<b>Host</b>	Mouse
<b>Gene ID</b>	3875
<b>Gene Symbol</b>	KRT18
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This monoclonal antibody 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.
<b>Immunogen</b>	Recombinant full-length human Cytokeratin 18 protein (Uniprot: P05783)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, CyTOF-ready
<b>Application Notes</b>	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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

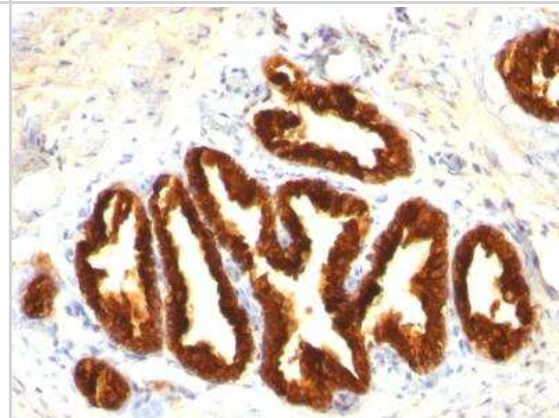


## Images

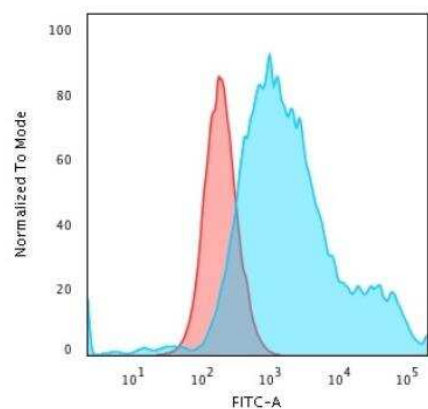
Western Blot: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - HCT116 cell lysate using Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



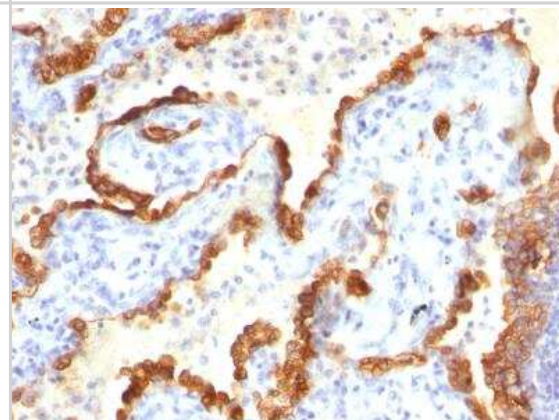
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Human Prostate Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



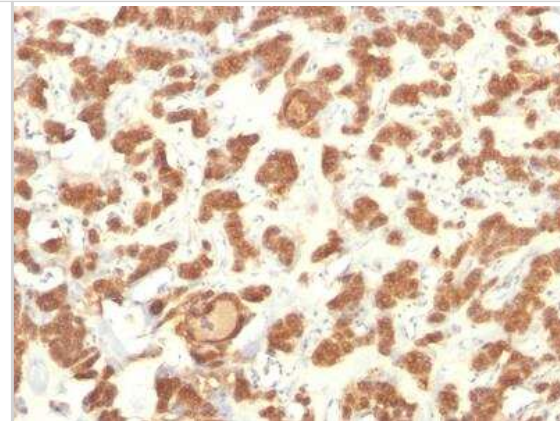
Flow Cytometry: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Analysis of PFA-fixed HeLa cells using Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



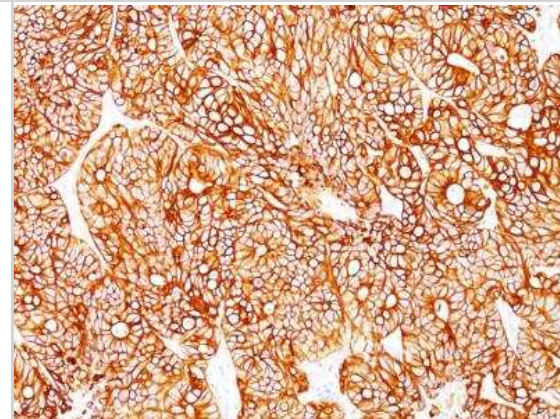
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Human Lung Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



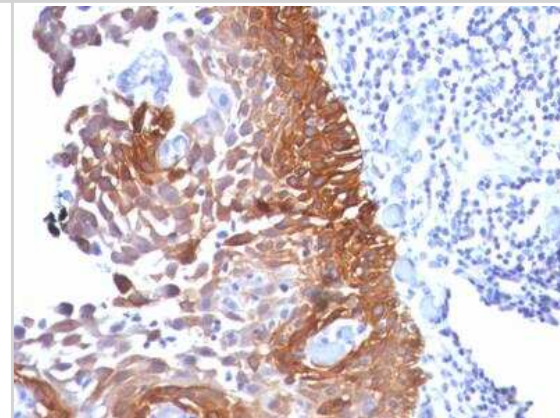
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Human Thyroid Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Human colon carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (Cocktail) - Azide and BSA Free [NBP2-47978] - Human Cervical Ca stained with Cytokeratin 18 Mouse Monoclonal Antibody (Cocktail).





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### **Products Related to NBP2-47978-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
H00003875-P01-10ug	Recombinant Human Cytokeratin 18 GST (N-Term) Protein
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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