

# Product Datasheet

## Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free

**NBP2-47983-0.1mg**

Unit Size: 0.1 mg

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

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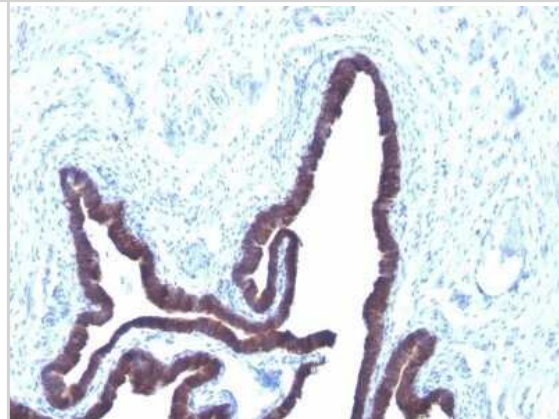
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Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free

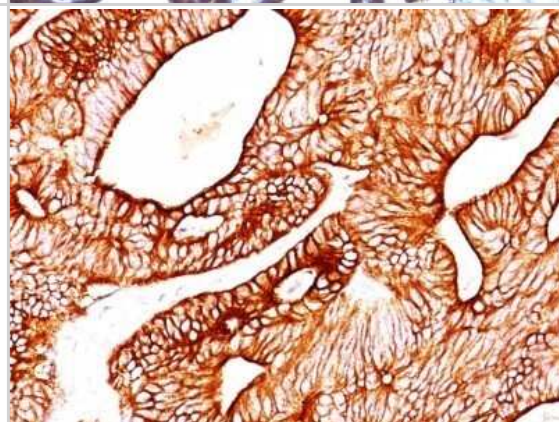
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at -20 to -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	KRT8/803 + KRT18/835
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa/IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS
<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 (NBP2-44930).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
<b>Host</b>	Mouse
<b>Gene ID</b>	3856
<b>Gene Symbol</b>	KRT8
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This monoclonal antibody cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immuno-histochemical staining with this monoclonal antibody is indistinguishable from that obtained with monoclonal antibody 5D3.
<b>Immunogen</b>	Recombinant full-length human KRT8 protein (KRT8/803); Recombinant full-length human KRT18 protein (KRT18/835)
<b>Product Application Details</b>	
<b>Applications</b>	Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Simple Western 20 ug/ml, 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): 0.1-0.2ug/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. In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. Separated by Size.

## Images

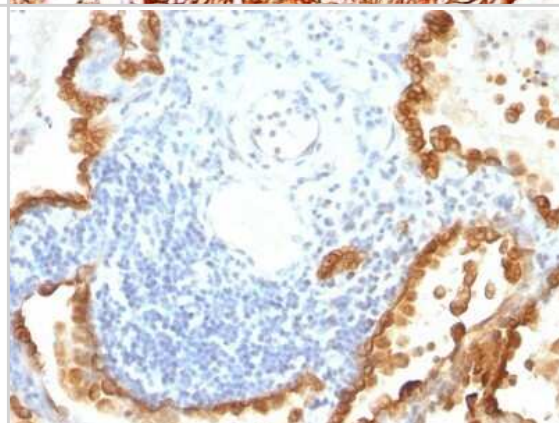
Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Human Ovarian Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (KRT8/803 + KRT18/835).



Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Human Colon Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (KRT8/803 + KRT18/835).



Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Human Lung Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (KRT8/803 + KRT18/835).



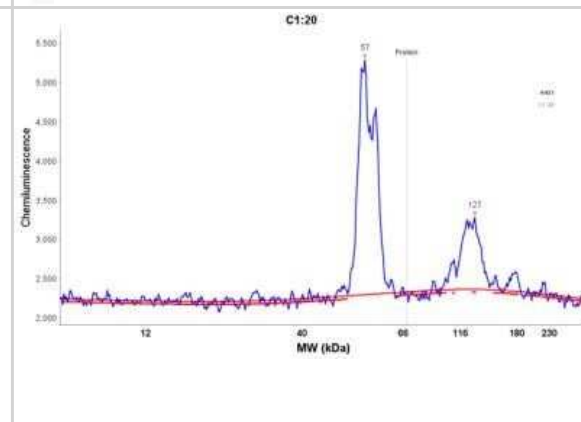
Simple Western: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Simple Western lane view shows a specific band for Cytokeratin 8/18 in 0.2 mg/ml of A431 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



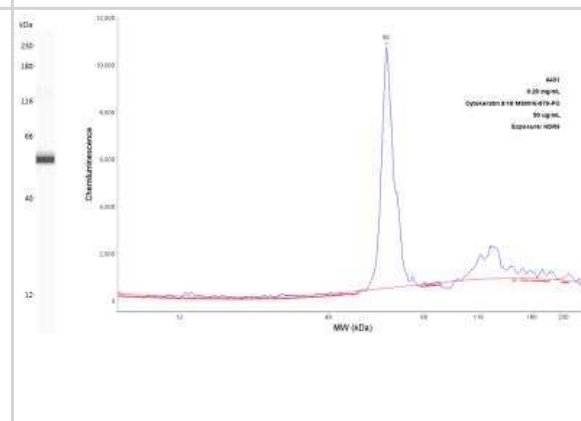
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Simple Western: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Electropherogram image of the corresponding Simple western lane. Cytokeratin 8/18 antibody was used at 10 ug/ml dilution on A431 lysate(s) respectively.



Simple Western: Cytokeratin 8/18 Antibody (KRT8/803 + KRT18/835) - Azide and BSA Free [NBP2-47983] - Lane view shows a specific band for Cytokeratin 8/18. 200 ug/mL of A431 cell lysate and 50 ug/mL antibody dilution. Electropherogram image of corresponding Simple Western lane view at WES molecular weight of 116 kDa. Image from an internal validation.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-47983-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
8184-CK-050	Choline Kinase beta [Unconjugated]
MAB1368	alpha-Fetoprotein/AFP Antibody (189502) [Unconjugated]

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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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