

# Product Datasheet

## Cytokeratin 5 Antibody (2C2) - BSA Free NBP2-22194

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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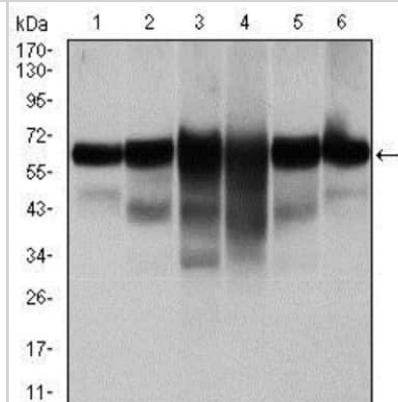


**NBP2-22194****Cytokeratin 5 Antibody (2C2) - BSA Free**

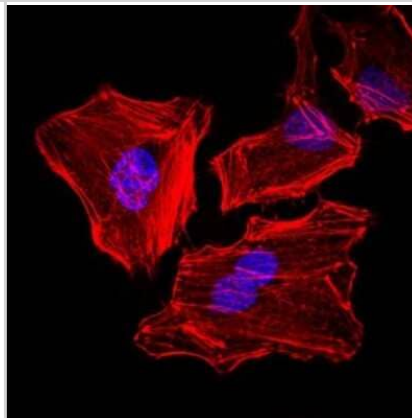
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2C2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	62.3 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Cytokeratin 5 Antibody (2C2) - BSA Free (NBP2-22194) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Cytokeratin 5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3852
<b>Gene Symbol</b>	KRT5
<b>Species</b>	Human, Mouse, Monkey
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Purified recombinant fragment of human Cytokeratin 5 expressed in E. Coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

## Images

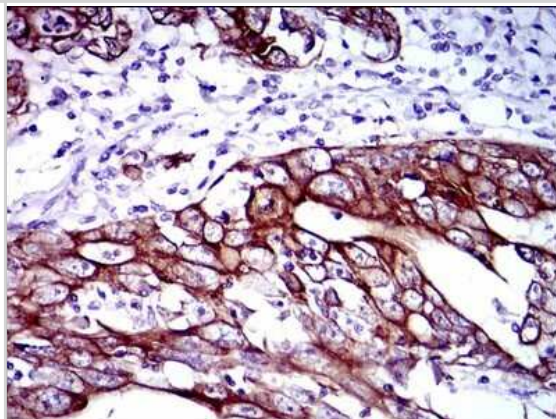
Western Blot: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis using Cytokeratin 5 mouse mAb against A431 (1), MCF-7 (2), HeLa (3), HepG2 (4), 3T3-L1 (5), and COS-7 (6) cell lysate.



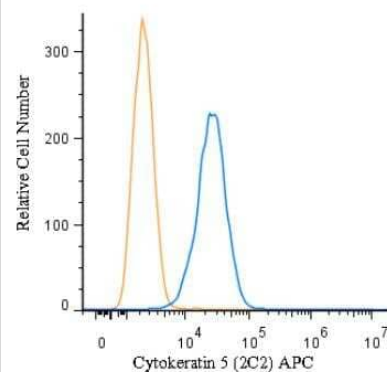
Immunocytochemistry/Immunofluorescence: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Immunofluorescence analysis of HeLa cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis of stomach cancer tissues using Cytokeratin 5 mouse mAb with DAB staining.

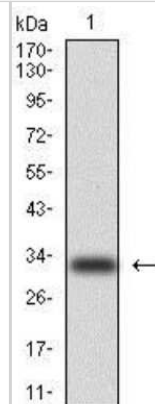


Flow Cytometry: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - An intracellular stain was performed on HeLa cells with Cytokeratin 5 Antibody (2C2) NBP2-22194APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to allophycocyanin.

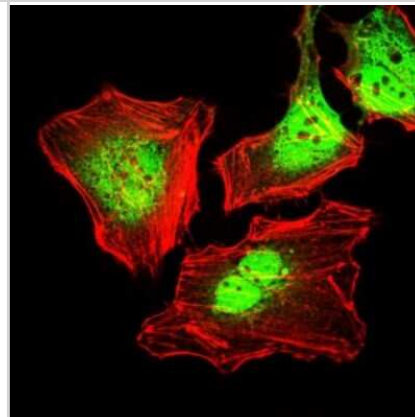


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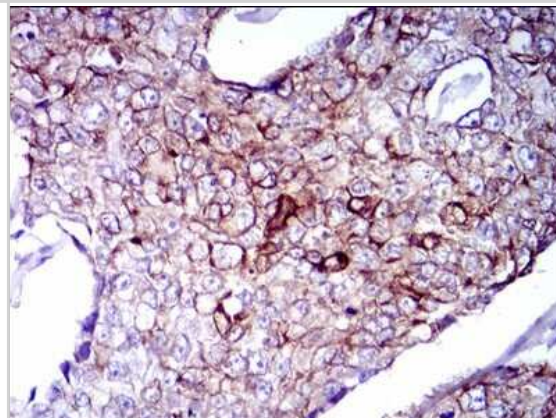
Western Blot: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis using Cytokeratin 5 mAb against human Cytokeratin 5 (AA: 158-272) recombinant protein. (Expected MW is 33.3 kDa)



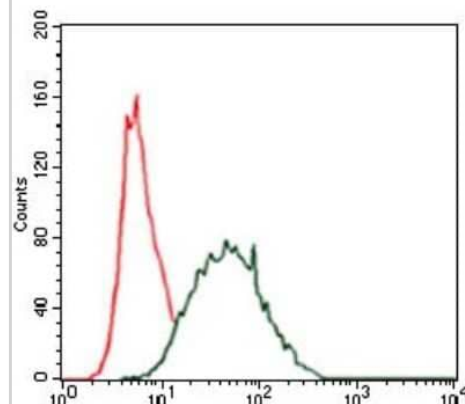
Immunocytochemistry/Immunofluorescence: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Immunofluorescence analysis of HeLa cells using Cytokeratin 5 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



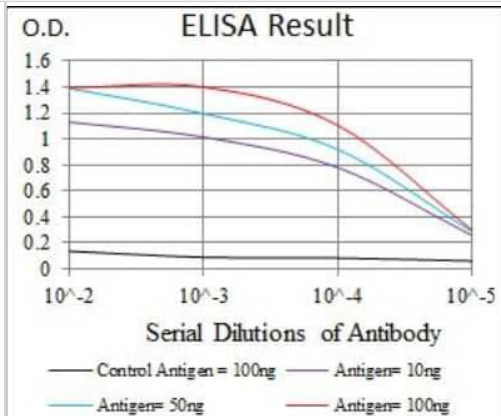
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis of breast cancer tissues using Cytokeratin 5 mouse mAb with DAB staining.



Flow Cytometry: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis of HeLa cells using Cytokeratin 5 mouse mAb (green) and negative control (red).



ELISA: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng)



## Publications

Messal HA, Almagro J, Zaw Thin M et al. Antigen retrieval and clearing for whole-organ immunofluorescence by FLASH Nature Protocols 2021-01-01 [PMID: 33247285]

Wang Y, Chang L, Zhu G et al. Mechanism of thymus rejuvenation in elderly macaques Rejuvenation research 2022-07-25 [PMID: 35876435]



### **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 NBP2-22194**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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