

# 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

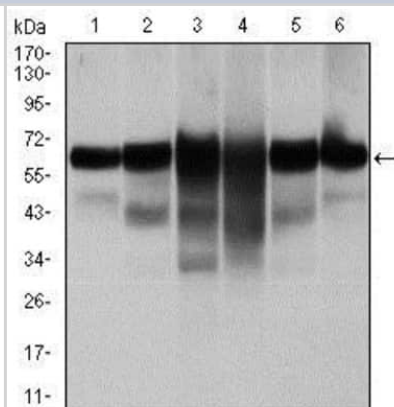
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C2
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	62.3 kDa

Product Description	
Host	Mouse
Gene ID	3852
Gene Symbol	KRT5
Species	Human, Mouse, Monkey
Reactivity Notes	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.
Immunogen	Purified recombinant fragment of human Cytokeratin 5 expressed in E. Coli.

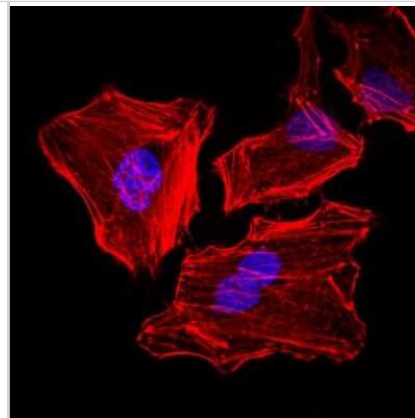
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

**Images**

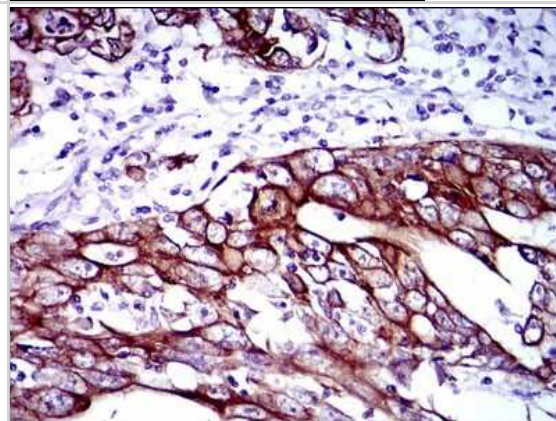
Western Blot: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis using Cytokeratin 5 mouse mAb against A431 (1), MCF-7 (2), HeLa (3), HepG2 (4), 3T3-L1 (5), and COS-7 (6) cell lysate.



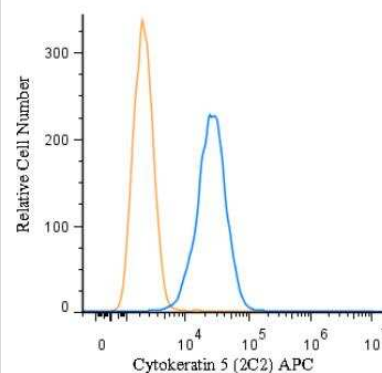
**Immunocytochemistry/Immunofluorescence: Cytokeratin 5 Antibody (2C2) [NBP2-22194]** - Immunofluorescence analysis of HeLa cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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

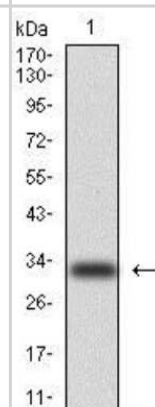


**Flow Cytometry: Cytokeratin 5 Antibody (2C2) [NBP2-22194]** - An intracellular stain was performed on HeLa cells with Cytokeratin 5 Antibody (2C2) NBP2-22194APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated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

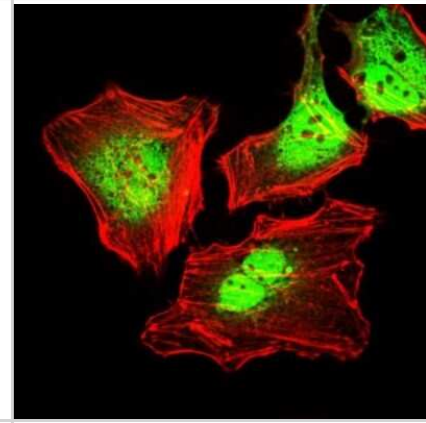


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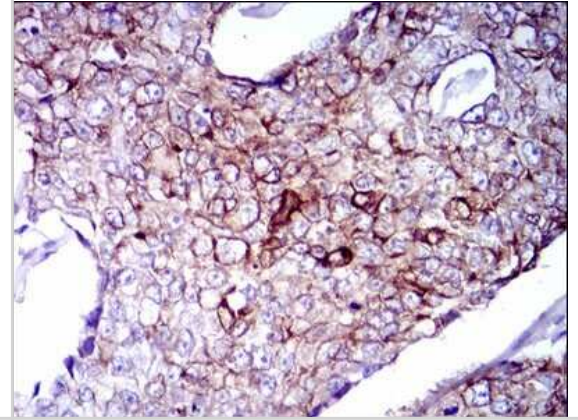
**Western Blot: Cytokeratin 5 Antibody (2C2) [NBP2-22194]** - Analysis using Cytokeratin 5 mAb against human Cytokeratin 5 (AA: 158-272) recombinant protein. (Expected MW is 33.3 kDa)



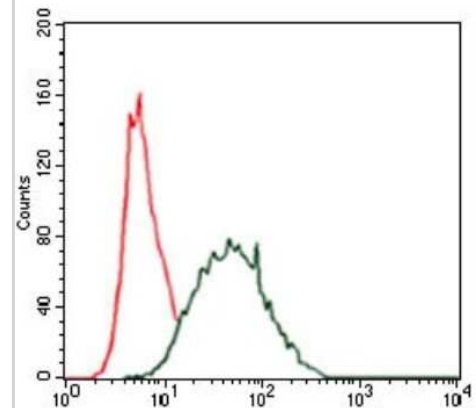
Immunocytochemistry/Immunofluorescence: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Immunofluorescence analysis of HeLa cells using Cytokeratin 5 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



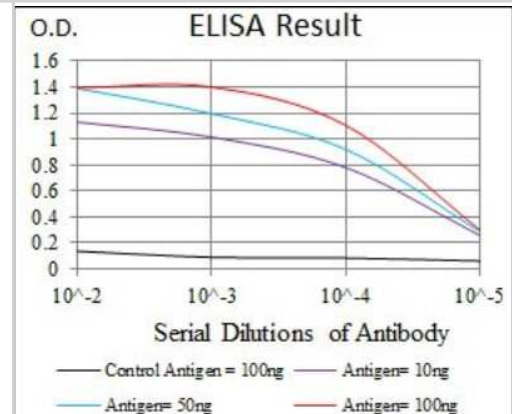
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (2C2) [NBP2-22194] - Analysis of breast cancer tissues using Cytokeratin 5 mouse mAb with DAB staining.



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]



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### **Products Related to NBP2-22194**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51653-0.1mg	Recombinant Human Cytokeratin 5 His Protein

### **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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