

# Product Datasheet

## Cytokeratin, pan Antibody (PD00-15) NBP3-32710

Unit Size: 100 ul

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

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**NBP3-32710**

Cytokeratin, pan Antibody (PD00-15)

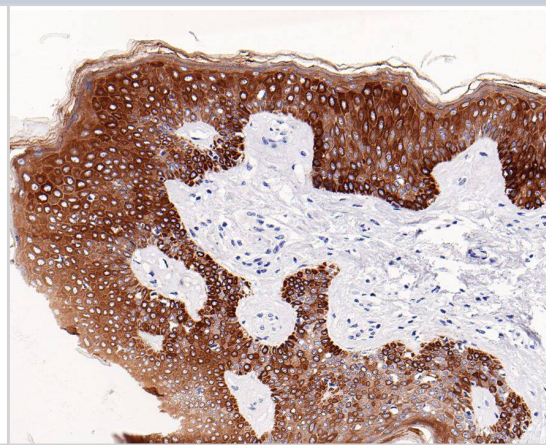
| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ul   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | PD00-15  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1   |
| Purity                      | Protein A purified   |
| Buffer                      | PBS (pH7.4), 0.1% BSA and 40% Glycerol   |
| Product Description         |  |
| Description                 | Novus Biologicals Mouse Cytokeratin, pan Antibody (PD00-15) (NBP3-32710) is a recombinant monoclonal antibody validated for use in IHC, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                        | Mouse  |
| Gene ID                     | 3848   |
| Gene Symbol                 | KRT1   |
| Species                     | Human  |
| Immunogen                   | Recognizes human cytokeratins 4, 5, 6, 8, 10, 13, and 18. (Uniprot: Q01546)  |
| Product Application Details |  |
| Applications                | Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Multiplex Immunofluorescence  |
| Recommended Dilutions       | Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:500-1:1000, Multiplex Immunofluorescence   |
| Application Notes           | Recommended dilution for Multiplex IHC: 1:3000   |



## Images

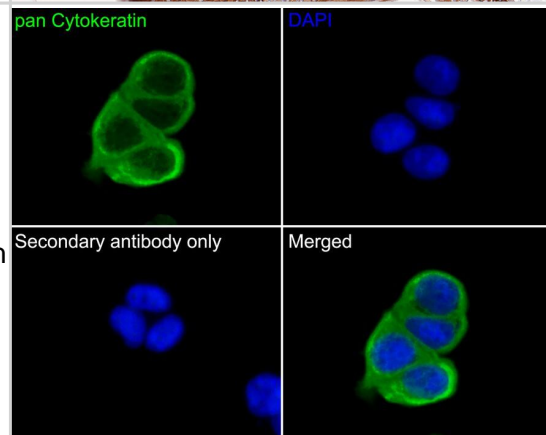
**Immunohistochemistry: Cytokeratin, pan Antibody (PD00-15) [NBP3-32710]** - Immunohistochemical analysis of paraffin-embedded human skin tissue with Mouse anti-Cytokeratin, pan antibody (NBP3-32710) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32710) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



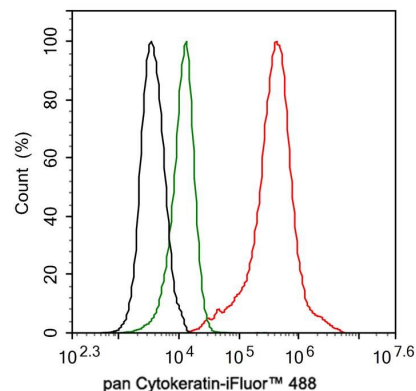
**Immunocytochemistry/ Immunofluorescence: Cytokeratin, pan Antibody (PD00-15) [NBP3-32710]** - Immunocytochemistry analysis of MCF7 cells labeling Cytokeratin, pan with Mouse anti-Cytokeratin, pan antibody (NBP3-32710) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 2% BSA for 30 minutes at room temperature. Cells were then incubated with Mouse anti-Cytokeratin, pan antibody (NBP3-32710) at 1/50 dilution in 2% BSA overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



**Flow Cytometry: Cytokeratin, pan Antibody (PD00-15) [NBP3-32710]** - Flow cytometric analysis of MCF7 cells labeling Cytokeratin, pan.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32710, 1ug/ml) (red) compared with Mouse IgG1 Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-32710**

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|                  |  |
|------------------|--|
| 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)                   |
| DNST0            | Endostatin [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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