

# Product Datasheet

## Cytokeratin 7 Antibody (K72.7) [DyLight 594] NBP2-47941DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47941DL594**

Cytokeratin 7 Antibody (K72.7) [DyLight 594]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | K72.7                                                                                       |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1 Kappa                                                                                  |
| Conjugate           | DyLight 594                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                 | 3855                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol             | KRT7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Marker                  | Glandular and Transitional Epithelial Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity/Sensitivity | It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This monoclonal antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This monoclonal antibody is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-). |
| Immunogen               | Semi-Purified cytokeratin preparation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Product Application Details |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                      |





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### **Products Related to NBP2-47941DL594**

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|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| NBP1-43319DL594    | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 594] |
| H00003855-P01-10ug | Recombinant Human Cytokeratin 7 GST (N-Term) Protein        |
| 8184-CK-050        | Choline Kinase beta [Unconjugated]                          |
| NBL1-12396         | Cytokeratin 7 Overexpression Lysate                         |

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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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