

# Product Datasheet

## AMPD3 Antibody (AMPD3/901) [DyLight 594] NBP2-47691DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47691DL594**

AMPD3 Antibody (AMPD3/901) [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                       | AMPD3/901   |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG2b Kappa   |
| Conjugate                   | DyLight 594   |
| Purity                      | Protein A or G purified   |
| Buffer                      | 50mM Sodium Borate  |
| Product Description         |   |
| Host                        | Mouse   |
| Gene ID                     | 272   |
| Gene Symbol                 | AMPD3   |
| Species                     | Human   |
| Marker                      | Erythroid Marker  |
| Specificity/Sensitivity     | It recognizes a protein of ~90kDa, which is identified as Adenosine Monophosphate Deaminase, isoform E (AMPD3). It has 767 amino acids and is assigned an EC 3.5.4.6. It is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. AMPD3 gene encodes the erythrocyte (E) isoforms, whereas other family members encode isoforms that predominate in muscle (M) and liver (L) cells. This monoclonal antibody shows reactivity with cells of the erythroid lineage at all stages of maturation in the peripheral blood, bone marrow, and fetal liver. Non-erythroid lineages are negative by flow cytometry. This monoclonal antibody is useful in the diagnosis of erythroleukemia, identification of bone marrow erythroid precursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow specimens. |
| Immunogen                   | Recombinant full-length human AMPD3 protein (Uniprot: Q01432)   |
| Notes                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.   |
| Product Application Details |   |
| Applications                | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |



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### **Products Related to NBP2-47691DL594**

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|                 |  |
|-----------------|--|
| NBP1-43317DL594 | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 594] |
| NBP2-14290PEP   | AMPD3 Recombinant Protein Antigen                                  |
| 210-TA-005      | TNF-alpha [Unconjugated]   |
| NBP2-08635      | AMPD3 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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