

# Product Datasheet

## PMEL17/SILV Antibody (PMEL/1825R) [DyLight 594] NBP2-54454DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54454DL594**

PMEL17/SILV Antibody (PMEL/1825R) [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               | PMEL/1825R  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG   |
| Conjugate           | DyLight 594   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Rabbit  |
| Gene ID                 | 6490  |
| Gene Symbol             | PMEL  |
| Species                 | Human   |
| Reactivity Notes        | Does not react with Canine and Rat  |
| Marker                  | Melanoma Marker   |
| Specificity/Sensitivity | The gp100 molecule is a 100kDa glycosylated protein that is cleaved into a small (26kDa) carboxy-terminal fragment and a larger amino-terminal section (60-64 kDa), which is subsequently cleaved to generate 26kDa and 34-38kDa fragments. By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. This monoclonal antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intra-dermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. Metastatic amelanotic melanoma can often be confused with a variety of poorly differentiated carcinomas, large cell lymphomas, and sarcomas using H E stains alone. It is also difficult to differentiate melanoma from spindle cell carcinomas and various types of mesenchymal neoplasms. This monoclonal antibody stains fetal and neonatal melanocytes, junctional and blue nevus cells, and malignant melanoma. This monoclonal antibody also stains Angiomyolipoma (PEComa). |
| Immunogen               | Recombinant full-length human PMEL17/SILV protein (Uniprot: P40967 )  |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry      |
| Recommended Dilutions       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin      |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP2-54454DL594**

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|                 |  |
|-----------------|--|
| NBP2-24891DL594 | Rabbit IgG Isotype Control [DyLight 594] |
| NBP2-38185PEP   | PMEL17/SILV Recombinant Protein Antigen  |
| 210-TA-005      | TNF-alpha [Unconjugated]                 |
| NBL1-15968      | PMEL17/SILV 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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