

# Product Datasheet

## CD45RA Antibody (158-4D3) [DyLight 594] NBP2-33144DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33144DL594**

CD45RA Antibody (158-4D3) [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               | 158-4D3   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a Kappa   |
| Conjugate           | DyLight 594   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 5788   |
| Gene Symbol             | PTPRC  |
| Species                 | Human  |
| Marker                  | Leucocyte Marker   |
| Specificity/Sensitivity | Recognizes a protein of 205kDa-220kDa, identified as CD45RA [Workshop V; Code CD45.38]. CD45RA is isoforms of the human leukocyte common antigen (CD45). Human CD45 contains three exons which encode peptide segments designated A, B and C, respectively. The differential splicing of the exons generates at least five isoforms, ABC, AB, BC, B and O. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA are naive or virgin T-cells. T-cells expressing CD45RO are memory T-cells. CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells. This monoclonal antibody is useful in study on the subpopulation of CD4+ or CD8+ T-cells. It can especially be used to differentiate T-cell lymphomas (CD45RO +ve) from B cell lymphomas (CD45RA +ve). |
| Immunogen               | Stimulated human leukocytes  |
| 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 |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |



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### **Products Related to NBP2-33144DL594**

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|                 |  |
|-----------------|--|
| NBP1-96981DL594 | Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 594] |
| 210-TA-005      | TNF-alpha [Unconjugated]                               |
| 6507-IL-010/CF  | IL-4 [Unconjugated]                                    |
| 285-IF-100      | IFN-gamma [Unconjugated]                               |

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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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