

# Product Datasheet

## CD45 Antibody (PTPRC/1975R) [DyLight 594] NBP3-08910DL594

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08910DL594**

CD45 Antibody (PTPRC/1975R) [DyLight 594]

| Product Information |   |
|---------------------|---|
| Unit Size           | 100 ul  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | PTPRC/1975R   |
| 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                 | 5788   |
| Gene Symbol             | PTPRC  |
| Species                 | Human  |
| Marker                  | B-Cell Marker  |
| Specificity/Sensitivity | CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45R functions as a phosphor-tyrosine phosphatase. Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms. |
| Immunogen               | Human recombinant full-length CD45 protein (Uniprot: P08575)   |
| 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-Paraffin |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                              |



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### **Products Related to NBP3-08910DL594**

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|                   |  |
|-------------------|--|
| NBP2-24891DL594   | Rabbit IgG Isotype Control [DyLight 594] |
| NBP2-51591-0.02mg | Recombinant Human CD45 His Protein       |
| 210-TA-005        | TNF-alpha [Unconjugated]                 |
| 1430-CD-050       | CD45 [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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