# Product Datasheet

## CD45RA Antibody (PTPRC/818) [DyLight 680]
## NBP2-47957FR

Unit Size: 0.1 ml

Store at 4C in the dark.

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# NBP2-47957FR

CD45RA Antibody (PTPRC/818) [DyLight 680]

## 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** | PTPRC/818 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG2a Kappa |
| **Conjugate** | DyLight 680 |
| **Purity** | Protein A or G purified |
| **Buffer** | 50mM Sodium Borate |

## Product Description

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|---|---|
| **Description** | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |
| **Host** | Mouse |
| **Gene ID** | 5788 |
| **Gene Symbol** | PTPRC |
| **Species** | Human |
| **Marker** | Leucocyte Marker |
| **Specificity/Sensitivity** | Recognizes a protein of 205kDa-220kDa, identified as CD45RA. 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

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|---|---|
| **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 NBP2-47957FR

| | |
|---|---|
| NBP1-96981FR | Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 680] |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| M6000B-1 | IL-6 [HRP] |
| 6507-IL-010/CF | IL-4 [Unconjugated] |

## 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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