

# Product Datasheet

## CD45RA Antibody (111-1C5) [FITC] NBP3-11607F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11607F**

CD45RA Antibody (111-1C5) [FITC]

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 ml  |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                     | Store at 4C in the dark.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | 111-1C5   |
| <b>Preservative</b>                | 0.05% Sodium Azide  |
| <b>Isotype</b>                     | IgG1 Kappa  |
| <b>Conjugate</b>                   | FITC  |
| <b>Purity</b>                      | Protein A or G purified   |
| <b>Buffer</b>                      | PBS   |
| <b>Product Description</b>         |   |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 5788  |
| <b>Gene Symbol</b>                 | PTPRC   |
| <b>Species</b>                     | Human   |
| <b>Marker</b>                      | Leucocyte Marker  |
| <b>Specificity/Sensitivity</b>     | Recognizes a protein of 205kDa-220kDa, identified as CD45RA which is an isoform 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). |
| <b>Immunogen</b>                   | Stimulated human leukocytes   |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin   |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.  |



## Images

CD45RA Antibody (111-1C5) [FITC] [NBP3-11607F] - Vial of FITC conjugated antibody. FITC is optimally excited at 498 nm by the Blue laser (488 nm) and has an emission maximum of 519 nm.



FITC

| LASER (nm) | FILTER |
|------------|--------|
| Blue (488) | 525/50 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 498                 | 519               |



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### **Products Related to NBP3-11607F**

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|                |  |
|----------------|--|
| NBP1-43319F    | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [FITC] |
| 210-TA-005     | TNF-alpha [Unconjugated]                             |
| D6050          | IL-6 [HRP]   |
| 6507-IL-010/CF | IL-4 [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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