

# Product Datasheet

## CD45RA Antibody (SPM504)

### NBP2-44862-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44862-0.1mg**

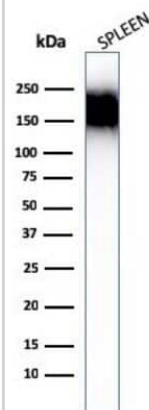
CD45RA Antibody (SPM504)

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 0.1 mg  |
| Concentration               | 0.2 mg/ml   |
| Storage                     | Store at 4C.  |
| Clonality                   | Monoclonal  |
| Clone                       | SPM504  |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG1 Kappa  |
| Purity                      | Protein A or G purified   |
| Buffer                      | 10 mM PBS with 0.05% BSA  |
| Product Description         |   |
| Description                 | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-11502)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| Host                        | Mouse   |
| Gene ID                     | 5788  |
| Gene Symbol                 | PTPRC   |
| Species                     | Human   |
| Marker                      | Leucocyte Marker  |
| Specificity/Sensitivity     | <p>Recognizes a protein of 205kDa-220kDa, identified as CD45RA (Workshop III). 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).</p> |
| Immunogen                   | Stimulated human leukocytes   |
| Product Application Details |   |
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence  |
| Recommended Dilutions       | Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 1 - 2 ug/ml   |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.   |

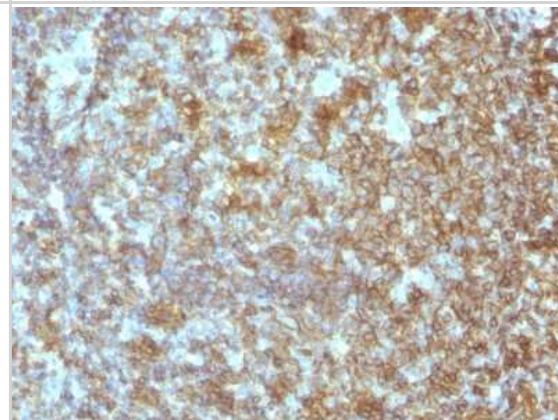


## Images

Western Blot: CD45RA Antibody (SPM504) [NBP2-44862] - Western Blot Analysis of human spleen tissue lysates using CD45RA Antibody (SPM504).



Immunohistochemistry-Paraffin: CD45RA Antibody (SPM504) [NBP2-44862] - Human Tonsil stained with CD45RA Monoclonal Antibody (SPM504).



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**Products Related to NBP2-44862-0.1mg**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| 210-TA-005       | TNF-alpha [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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