

# Product Datasheet

## **B220/CD45R Antibody (PTPRC/1461) [mFluor Violet 500 SE]** **NBP2-54464MFV500**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54464MFV500**

B220/CD45R Antibody (PTPRC/1461) [mFluor Violet 500 SE]

| Product Information            |  |
|--------------------------------|--|
| <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>                   | PTPRC/1461   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG2a Kappa  |
| <b>Conjugate</b>               | mFluor Violet 500 SE   |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| Product Description            |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 5788   |
| <b>Gene Symbol</b>             | PTPRC  |
| <b>Species</b>                 | Human  |
| <b>Marker</b>                  | B-Cell Marker  |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Human B-lymphocytes (Uniprot: P08575)  |
| <b>Notes</b>                   | mFluor(TM) is a trademark of AAT Bioquest, Inc. 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.  |
| Product Application Details    |  |
| <b>Applications</b>            | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready   |
| <b>Recommended Dilutions</b>   | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready   |
| <b>Application Notes</b>       | Optimal dilution of this antibody should be experimentally determined.   |



## Images

B220/CD45R Antibody (PTPRC/1461) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.



mFluor™ Violet 500

| LASER (nm)   | FILTER |
|--------------|--------|
| Violet (405) | 515/20 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 410                 | 501               |



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### **Products Related to NBP2-54464MFV500**

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|                |                          |
|----------------|--------------------------|
| 210-TA-005     | TNF-alpha [Unconjugated] |
| D6050          | IL-6 [HRP]               |
| 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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