

## Rabbit anti-Mouse CD45R Monoclonal Antibody | anti-CD45R antibody

Anti-CD45R [RA3-6B2]

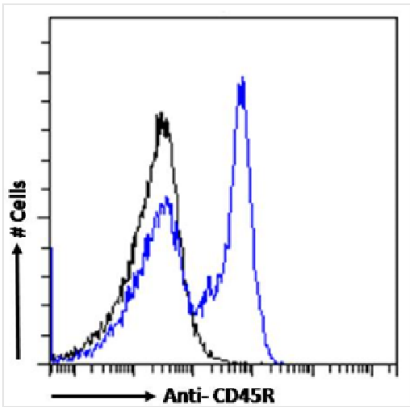
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                               |
|-----------|--------|------------|----------------------------------------------------------------------------|
| AAA72105  | Rabbit | Mouse      | Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

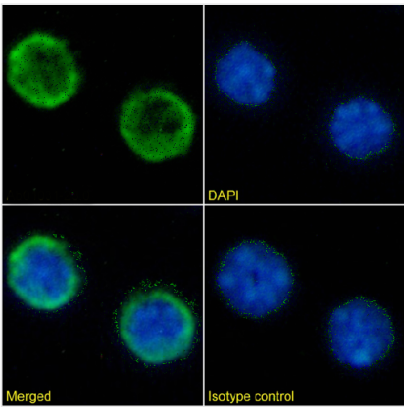
CD45R; Monoclonal Antibody; Anti-CD45R [RA3-6B2]; B220; CD45; CD45 antigen; Cluster designation 45R; L-CA; Leukocyte common antigen; Ly-5; lymphocyte antigen 5; lymphocyte common antigen; Lyl-4; protein tyrosine phosphatase; receptor type; C; c polypeptide; Receptor-type tyrosine-protein phosphatase C; T200; T200 glycoprotein; T200 leukocyte common antigen; anti-CD45R antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                      | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG, kappa                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clone Number                                    | RA3-6B2                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                     | This antibody is specific for murine CD45R antigen which is expressed on B lymphocytes throughout their development from early pro-B stages onwards and is down-regulated upon terminal differentiation to plasma cells. Apart from B cells, CD45R is expressed on a small subset of dendritic cells (plasmacytoid dendritic cells). The CD45R mAb clone RA3-6B2 specifically recognizes the exon A-restricted isoform of mouse CD45. |
| Purity/Purification                             | Purified antibody. Protein A affinity purified                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                     | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD45R antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                        |
| Chimeric Use Statement                          | This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.                                                                                                                                                                                                                                                |
| PMID                                            | 12077275                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                         | Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.                                                                                                                                                                                                                                                                                                                                        |



**FCM/FACS (Flow Cytometry)**  
Flow-cytometry using the anti-CD45R antibody RA3-6B2 (AAA72105). Mouse splenocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG1 version of RA3-6B2 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



**IF (Immunofluorescence)**  
Immunofluorescence staining of mouse splenocytes using anti-CD45R antibody (AAA72105) RA3-6B2. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix cover-slips and stained with the chimeric rabbit IgG version of RA3-6B2 ( ) at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom , DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD45R antibody | Recombinant monoclonal antibody to CD45R. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma RA3-6B2.<br>This antibody was raised in Lou-M rats using a popliteal lymph node immunisation and fusion protocol as described by Martiniello et al (1994)                                        |
| Product Categories/Family for anti-CD45R antibody   | immunology; oncology; immuno-oncology; CD markers                                                                                                                                                                                                                                                                           |
| References                                          | Stephen Hurst et al. New IL-17 family members promote Th1 or Th2 responses in the lung: in vivo function of the novel cytokine IL-25. J Immunol. 2002 Jul 1;169(1):443-53.<br>Note on publication: Describe the use of this antibody for FACS analysis to demonstrate the function of the novel cytokine IL-25 in the lung. |

NCBI AND UNIPROT INFORMATION

|                            |                                              |
|----------------------------|----------------------------------------------|
| UniProt Accession #        | P06800                                       |
| UniProt Protein Name       | Receptor-type tyrosine-protein phosphatase C |
| UniProt Gene Name          | Ptprc                                        |
| UniProt Synonym Gene Names | Ly-5                                         |
| UniProt Entry Name         | PTPRC_MOUSE                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45r-antibody-clone-ra3-6b2-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/72105>