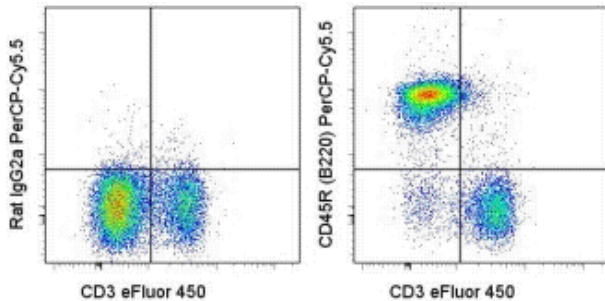


## Anti-Human/Mouse CD45R (B220) PerCP-Cyanine5.5

**Catalog Number:** 45-0452

**Also Known As:** Ly-5, Lyt-4, T200

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57Bl/6 splenocytes with Anti-Mouse CD3 eFluor® 450 (cat. 48-0032) and 0.25 µg of Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (cat. 45-4321) (left) or 0.25 µg of Anti-Human/Mouse CD45R (B220) PerCP-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human/Mouse CD45R (B220) PerCP-Cyanine5.5

**REF** **Catalog Number:** 45-0452

**Clone:** RA3-6B2

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**HLDA Workshop:** N/A

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

**Use By:** Refer to Vial

**Contains sodium azide**

### Description

The RA3-6B2 monoclonal antibody reacts with exon A-restricted isoform of mouse CD45, a 220 kDa surface molecule. CD45R/B220 epitope is mainly expressed by the B cell lineage from early Pro-B to mature B cells. However, some activated T cells, lymphokine activated killer cells (LAK), NK cell progenitors in the bone marrow, and T cells of the  $\text{Ipr/lpr}$  mutant mouse also express this antigen.

### Applications Reported

This RA3-6B2 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This RA3-6B2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

- Schuhmann B, Dietrich A, et al. 2005. A role for brain-derived neurotrophic factor in B cell development. *J Neuroimmunol.* 163(1-2):15-23. (**RA3-6B2**, IHC frozen, PubMed)
- Monteith CE, Chelack BJ, et al. 1996. Identification of monoclonal antibodies for immunohistochemical staining of feline B lymphocytes in frozen and formalin-fixed paraffin-embedded tissues. *Can J Vet Res.* 60(3):193-8. (IHC frozen and paraffin, PubMed)
- Morse, H. C. d., W. F. Davidson, et al. 1982. Abnormalities induced by the mutant gene *lpr*: expansion of a unique lymphocyte subset. *J Immunol.* 129(6): 2612-5.
- Coffman, R. L. 1982. Surface antigen expression and immunoglobulin gene rearrangement during mouse pre-B cell development. *Immunol Rev.* 69: 5-23.

### Related Products

45-4321 Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (eBR2a)

48-0032 Anti-Mouse CD3 eFluor® 450 (17A2)

### Legal

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