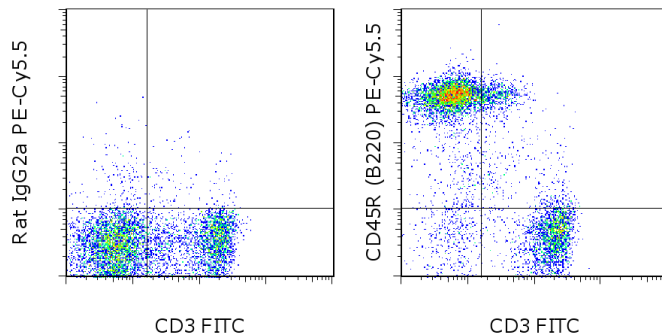


## Anti-Human/Mouse CD45R (B220) PE-Cyanine5.5

**Catalog Number:** 35-0452

**Also known as:** Ly-5, Lyt-4, T200

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



Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.06 ug of Rat IgG2a K Isotype Control PE-Cyanine5.5 (cat. 35-4321) (left) or 0.06 ug of Anti-Human/Mouse CD45R (B220) PE-Cyanine5.5 (right). Total viable cells were used for analysis.

### Product Information

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

**REF** **Catalog Number:** 35-0452

**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.

**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 *lpr/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 0.125 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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.

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. (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)

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

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### **Related Products**

00-4300 10X RBC Lysis Buffer (Multi-species)

11-0031 Anti-Mouse CD3e FITC (145-2C11)

12-0193 Anti-Mouse CD19 PE (eBio1D3 (1D3))

35-4321 Rat IgG2a K Isotype Control PE-Cyanine5.5 (eBR2a)

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