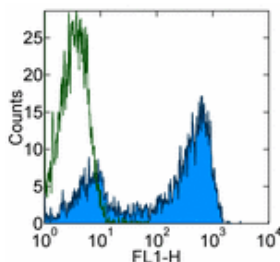


Anti-Human/Mouse CD45R (B220) Alexa Fluor® 488

Catalog Number: 53-0452

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

RUO: For Research Use Only



Staining of BALB/c splenocytes with staining buffer (autofluorescence) (open histogram) or 0.25 µg of Anti-Human/Mouse CD45R (B220) Alexa Fluor® 488 (filled histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Mouse CD45R (B220) Alexa Fluor® 488

REF Catalog Number: 53-0452


Clone: RA3-6B2

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a, κ


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

 Caution, contains 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 0.5 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 10⁵ to 10⁸ 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

53-4321 Rat IgG2a K Isotype Control Alexa Fluor® 488

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