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PE/Elab Fluor® 594 Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1]

E-AB-F1112UP Catalog No. Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Antigen Information

Alternate Names B220 Gene ID 19264,5788

Background CD45R, also known as B220, is an isoform of CD45. It is a member of the protein tyrosine

> phosphatase (PTP) family with a molecular weight of approximately 180-240 kD. CD45R is expressed on B cells (at all developmental stages from pro-B cells through mature B cells), activated B cells, and subsets of T and NK cells. CD45R (B220) is also expressed on a subset of abnormal T cells involved in the pathogenesis of systemic autoimmunity in MRL-Fas^{lpr} and MRL-Fas^{gld} mice. It plays a critical role in TCR and BCR signaling. The primary ligands for CD45 are galectin-1, CD2, CD3, and CD4. CD45R is commonly used as a pan-B cell marker; however,

CD19 may be more appropriate for B cell specificity.

Product Details

Form Liquid Concentration 0.2 mg/mL Size 25µg/100µg Clone No. RA3.3A 1/6.1

Host Rat Isotype Rat IgM, κ Reactivity Mouse **Application FCM**

PE/Elab Fluor[®] 594 Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09773P] **Isotype Control Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

Toll-free: 1-888-852-8623 Email: techsupport@elabscience.com Web: www.elabscience.com

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Fluorophore

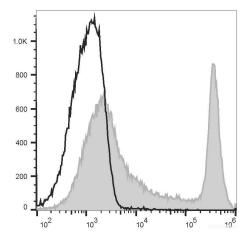
Conjugation: PE/Elab Fluor® 594

PE/Elab Fluor[®] 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 nm bandpass filter).

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu g/10^6$ cells in $100~\mu L$ volume].

Product data



C57BL/6 murine splenocytes are stained with PE/Elab Fluor[®] 594 Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1] (filled gray histogram) or PE/Elab Fluor[®] 594 Rat IgM, κ Isotype Control (empty black histogram).

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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