

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1112UP

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

#### Description

 Reactivity
 Mouse

 Host
 Rat

 Isotype
 Rat IgM, κ

 Clone No.
 RA3.3A 1/6.1

Isotype Control

PE/Elab Fluor® 594 Rat IqM, κ Isotype Control[RTK2118] [Product E-AB-F09773P]

Conjugation PE/Elab Fluor® 594

Conjugation Information 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).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

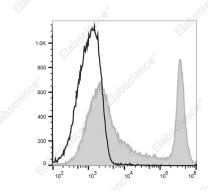
# Applications Recommended usage

**FCM** 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<sup>6</sup> cells

in 100 µL volume].

#### 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, к Isotype Control (empty black histogram).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

 Alternate Names
 B220

 Gene ID
 19264;5788

# For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com Email:techsupport@elabscience.com

## **Elabscience Bionovation Inc.**



A Reliable Research Partner in Life Science and Medicine

# **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<sup>lpr</sup> and MRL-Fas<sup>gld</sup> 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.

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com