

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 450 Anti-Mouse CD45R (B220) Antibody[RA3-6B21

Catalog Number: AN00428UQ

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

			100	
	00	cri	nt	n
ш	СJ	ыι		on

Reactivity Mouse Host Rat

Isotype Rat IgG2a, ĸ Clone No. RA3-6B2

**Isotype Control** Elab Fluor<sup>®</sup> Violet 450 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833Q]

Conjugation Elab Fluor® Violet 450

Conjugation Information Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

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

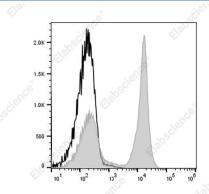
#### **Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100

μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



Staining of C57BL/6 murine splenocytes cells with Elab Fluor® Violet 450 Anti-Mouse CD45R (B220) Antibody[RA3-6B2] (filled gray histogram) or Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

#### **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** CD45R;B220 **Uniprot ID** Q64224 Gene ID 19264;5788

## For Research Use Only

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.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-FasIpr and MRL-Fasgld 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. CD19, however, 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