

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse CD45R (B220) Antibody[RA3-6B2]

Catalog Number: AN00428M

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

Description

Reactivity Mouse Host Rat

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

Isotype Control Elab Fluor® 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832M]

Conjugation Elab Fluor® 647

Conjugation Information Elab Fluor[®] 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

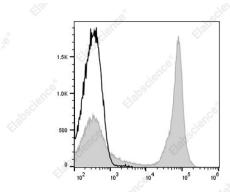
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L 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® 647 Anti-Mouse CD45R (B220) Antibody[RA3-6B2] (filled gray histogram) or Elab Fluor® 647 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

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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.

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