

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

Catalog Number: GFH1112P

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 IgM, κ Isotype Control[RTK2118] [Product E-AB-F09772P]
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% sodium azide.

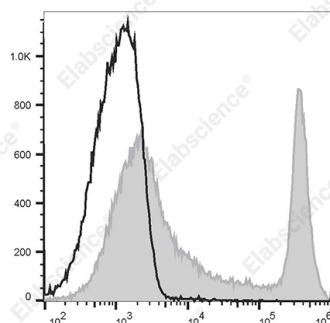
Applications

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 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



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).

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

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.