

## FITC Anti-Mouse CD23 Antibody[B3B4]

**Catalog Number:** GFH1178UC

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

### Description

|                                |                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                    |
| <b>Host</b>                    | Rat                                                                                                                                                      |
| <b>Isotype</b>                 | Rat IgG2a, $\kappa$                                                                                                                                      |
| <b>Clone No.</b>               | B3B4                                                                                                                                                     |
| <b>Isotype Control</b>         | FITC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09833C]                                                                                     |
| <b>Conjugation</b>             | FITC                                                                                                                                                     |
| <b>Conjugation Information</b> | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

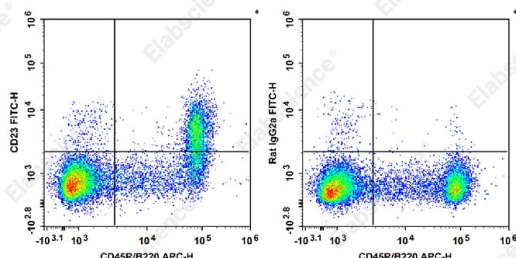
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. 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  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD45R/B220 Antibody and FITC Anti-Mouse CD23 Antibody[B3B4] (Left). Splenocytes are stained with APC Anti-Mouse CD45R/B220 Antibody and FITC Rat IgG2a,  $\kappa$  Isotype Control[2A3] (Right).

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Alternate Names</b> | Fc-epsilon-RIIFc $\epsilon$ 2;Fc $\epsilon$ 2a;Lymphocyte IgE receptor |
| <b>Gene ID</b>         | 14128                                                                  |

### For Research Use Only

## Background

CD23 is a 45 kD protein also known as low affinity IgE Fc receptor, FcεRII, BLAST-2, Ly-42, or B6. It is a member of the Ig family, expressed on conventional B (but not B-1) cells and follicular dendritic cells. CD23 responds to high levels of IgE by downregulating IgE secretion.