

## PE/Elab Fluor® 594 Anti-Mouse CD19 Antibody[1D3]

Catalog Number: E-AB-F0986UP

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, κ  |
| <b>Clone No.</b>               | 1D3   |
| <b>Isotype Control</b>         | PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833P]   |
| <b>Conjugation</b>             | PE/Elab Fluor® 594  |
| <b>Conjugation Information</b> | 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). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.   |

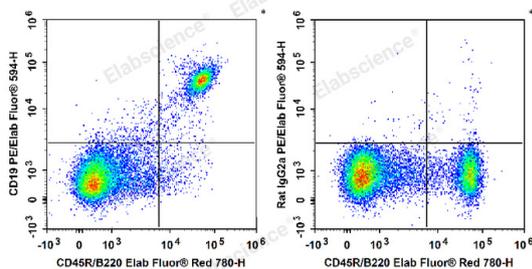
### Applications

#### FCM

### Recommended usage

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 µg/10<sup>6</sup> cells in 100 µL volume].

### Data



C57BL/6 murine splenocytes are stained with Elab Fluor® Red 780 Anti-Mouse CD45R/B220 Antibody and PE/Elab Fluor® 594 Anti-Mouse CD19 Antibody (Left). Splenocytes are stained with Elab Fluor® Red 780 Anti-Mouse CD45R/B220 Antibody and PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control (Right).

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | B-lymphocyte antigen CD19;CD19;Cd19;Differentiation antigen CD19 |
|------------------------|--|

### For Research Use Only

**Uniprot ID**

P25918

**Gene ID**

12478

**Background**

CD19 is a 95 kD glycoprotein also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81, forms a molecular complex integral to B cell activation.