

## Elab Fluor® 647 Anti-Human CD19 Antibody[HI19a]

Catalog Number: GFH1304M

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

### Description

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                  |
| Host                    | Mouse                                                                                                                                                                  |
| Isotype                 | Mouse IgG1, κ                                                                                                                                                          |
| Clone No.               | HI19a                                                                                                                                                                  |
| Isotype Control         | Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]                                                                                          |
| 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% sodium azide.                                                                                                    |

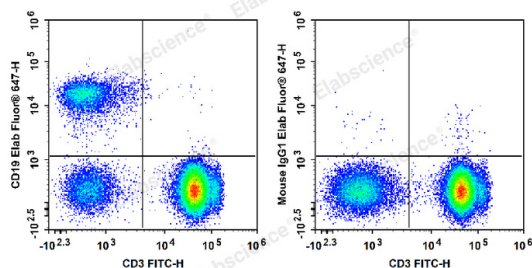
### Applications

### 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



Human peripheral blood lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Anti-Human CD19 Antibody (Left). Lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Mouse IgG1, κ Isotype Control (Right).

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| Alternate Names | B-lymphocyte antigen CD19;CD19;Cd19;Differentiation antigen CD19 |
| Uniprot ID      | P51677                                                           |
| Gene ID         | 930                                                              |

### For Research Use Only

## Background

CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cells, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.