

## Elab Fluor® Violet 450 Anti-Human CD19 Antibody[SJ25C1]

Catalog Number: AN00334Q

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

### Description

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	SJ25C1
Isotype Control	Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792Q]
Conjugation	Elab Fluor® Violet 450
Conjugation Information	Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

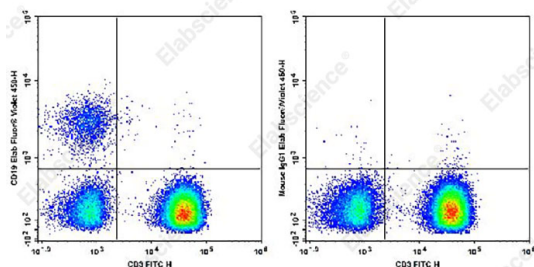
### Applications

### 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



Staining of normal human peripheral blood cells with FITC Anti-Human CD3 Antibody and Elab Fluor® Violet 450 Anti-Human CD19 Antibody[SJ25C1](left) or Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control (right). Cells in the lymphocytes gate 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	CD19 Molecule;CD19 Antigen;Differentiation Antigen CD19;B-Lymphocytes Surface Antigen B4;T-cell Surface Antigen Leu-12;CVID3;B4;B-lymphocyte Antigen CD19
Uniprot ID	P15391

### For Research Use Only

**Gene ID**

930

**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.