

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 610 Anti-Mouse CD19 Antibody[1D3]

Catalog Number: E-AB-F0986T

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

#### **Description**

Reactivity Mouse Host Rat

lsotype Rat lgG2a, κ

Clone No. 1D3

Isotype Control Elab Fluor® Violet 610 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832T]

**Conjugation** Elab Fluor<sup>®</sup> Violet 610

**Conjugation Information** Elab Fluor® Violet 610 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 613 nm (e.g., a 615/20 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

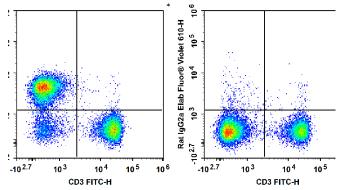
#### Applications Re

**FCM** 

#### Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 C57BL/6 murine splenocytes with FITC Anti-

Mouse CD3 Antibody[17A2] and Elab Fluor<sup>®</sup> Violet 610 Anti-Mouse CD19 Antibody[1D3] (left) or Elab Fluor<sup>®</sup> Violet 610 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  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
 P25918

 Gene ID
 12478

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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### **Background**

CD19 is a 95 kD glycoprotein also known as B4. It is a member of the lg 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.