

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 500 Anti-Mouse CD19 Antibody[1D3]

Catalog Number: E-AB-F0986UR

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

#### **Description**

Reactivity Mouse Host Rat

**Isotype** Rat IgG2a, κ

Clone No. 1D3

Isotype Control Elab Fluor® Violet 500 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833R]

**Conjugation** Elab Fluor® Violet 500

**Conjugation Information** Elab Fluor® Violet 500 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 501 nm (e.g., a 525/45 nm bandpass filter).

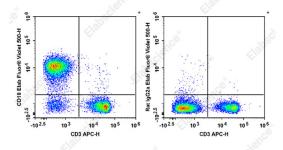
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



Staining of C57BL/6 murine splenocytes with APC Anti-

Mouse CD3 Antibody[17A2] and Elab Fluor<sup>®</sup> Violet 500 Anti-Mouse CD19 Antibody[1D3] (left) or Elab Fluor<sup>®</sup> Violet 500 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°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.

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