

Elab Fluor® Violet 540 Anti-Mouse CD19 Antibody[1D3]

Catalog Number: E-AB-F0986UT3

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

Description

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|-------------------------|--|
| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone No. | 1D3 |
| Isotype Control | Elab Fluor® Violet 540 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833T3] |
| Conjugation | Elab Fluor® Violet 540 |
| Conjugation Information | Elab Fluor® Violet 540 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 548 nm (e.g., a 572/28 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

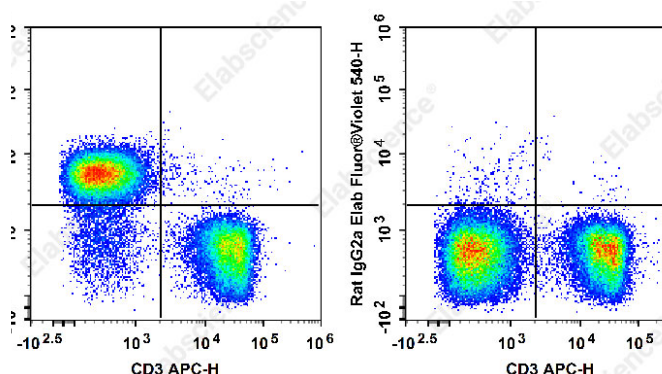
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. 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 $\mu\text{g}/10^6$ cells in 100 μL volume].

Data



Staining of C57BL/6 murine splenocytes with and APC Anti-Mouse CD3 Antibody[17A2] and Elab Fluor® Violet 540 Anti-Mouse CD19 Antibody[1D3](left) or Elab Fluor® Violet 540 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

Preparation & Storage

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| 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

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| Alternate Names | B-lymphocyte antigen CD19;CD19;Cd19;Differentiation antigen CD19 |
| Uniprot ID | P25918 |
| Gene ID | 12478 |

For Research Use Only

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.