

Elab Bright™ Violet 510 Anti-Mouse CD4 Antibody[RM4-5]

Catalog Number: E-AB-F1353R1

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. | RM4-5 |
| Isotype Control | Elab Bright™ Violet 510 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822R1] |
| Conjugation | Elab Bright™ Violet 510 |
| Conjugation Information | Elab Bright Violet 510 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 510 nm (e.g., a 525/50 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

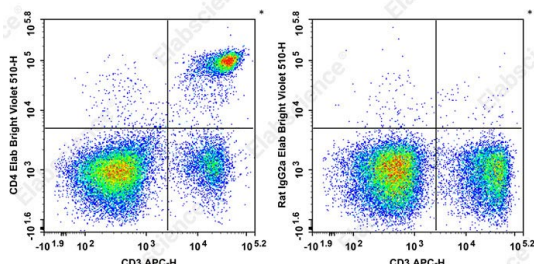
Applications

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 C57BL/6 murine splenocytes cells with APC Anti-Mouse CD3 Antibody and Elab Bright Violet 510 Anti-Mouse CD4 Antibody[RM4-5] (left) or Elab Bright Violet 510 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 | L3T4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;T4 |
| Uniprot ID | P06332 |
| Gene ID | 12504 |

For Research Use Only

Background

CD4 is a 55 kD protein also known as L3T4 or T4. It is a member of the Ig superfamily, primarily expressed on most thymocytes, a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosin kinase, lck.