

## Elab Bright™ Violet 421 Anti-Mouse CD4 Antibody[RM4-5]

Catalog Number: E-AB-F1353Q2

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

### Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, $\kappa$
Clone No.	RM4-5
Isotype Control	Elab Bright™ Violet 421 Rat IgG2a, $\kappa$ Isotype Control[R35-95] [Product AN00822Q2]
Conjugation	Elab Bright™ Violet 421
Conjugation Information	Elab Bright Violet 421 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 421 nm (e.g., a 450/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

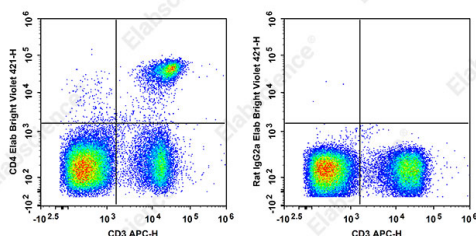
### Applications

### 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  $\mu$ 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 cells with APC Anti-Mouse CD3 Antibody and Elab Bright Violet 421 Anti-Mouse CD4 Antibody[RM4-5] (left) or Elab Bright Violet 421 Rat IgG2a,  $\kappa$  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	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 and a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a co-receptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosine kinase lck