

## Elab Fluor® 488 Anti-Human TCRV $\gamma$ 9 Antibody[B3]

Catalog Number: AN00357L

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

### Description

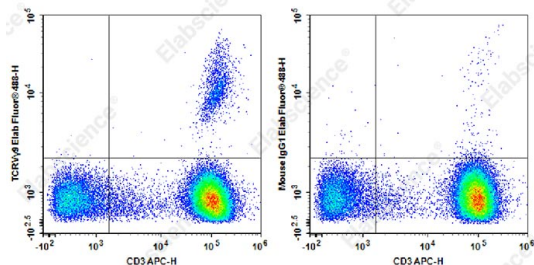
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Clone No.</b>	B3
<b>Isotype Control</b>	Elab Fluor® 488 Mouse IgG1, $\kappa$ Isotype Control[MOPC-21] [Product E-AB-F09792L]
<b>Conjugation</b>	Elab Fluor® 488
<b>Conjugation Information</b>	Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
------------	--

### Data



Staining of normal human peripheral blood cells with APC

Anti-Human CD3 Antibody and Elab Fluor® 488 Anti-Human TCR V $\gamma$ 9 Antibody[B3] (left) or Elab Fluor® 488 Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	T cell receptor V $\gamma$ 9;TCR V $\gamma$ 2;TRGV9;TCRGV2S1
<b>Uniprot ID</b>	Q99603
<b>Gene ID</b>	6965

### For Research Use Only

## Background

The V $\gamma$ 9 TCR is a variant of the TCR  $\gamma$  chain expressed on a subset of  $\gamma/\delta$  T cells. V $\gamma$ 9V $\delta$ 2 T lymphocytes, a major  $\gamma/\delta$  T cell subset in humans, recognize phosphoantigens, certain tumor cells, and cells treated with aminobisphosphonates. This cell population displays cytolytic activity against various tumor cells. The  $\gamma/\delta$  TCR is a heterodimeric TCR complex composed of covalently bound  $\gamma$  and  $\delta$  chains involved in antigen recognition and the non-covalently associated monomorphic proteins CD3 $\delta$ ,  $\gamma$ ,  $\epsilon$ , and  $\zeta$  chains.