## Elab Fluor<sup>®</sup> 488 Anti-Human TCRVγ9 Antibody[B3]

Catalog Number: AN00357L

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

Description	
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1
Clone No.	B3
Isotype Control	Elab Fluor <sup>®</sup> 488 Mouse IgG1, к Isotype Control[MOPC-21] [Product E-AB-F09792L]
Conjugation	Elab Fluor <sup>®</sup> 488
Conjugation Information	Elab Fluor <sup>®</sup> 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).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant
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 normal human peripheral blood cells with APC

Anti-Human CD3 Antibody and Elab Fluor<sup>®</sup> 488 Anti-Human TCR V $\gamma$ 9 Antibody[B3] (left) or Elab Fluor<sup>®</sup> 488 Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate 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
Shipping	lce bag
Antigen Information	
Alternate Names Uniprot ID	T cell receptor Vy9;TCR Vy2;TRGV9;TCRGV2S1 Q99603

## For Research Use Only

Toll-free: 1-888-852-8623 Web:<u>w w w .elabscience.com</u>

## **Elabscience**®

Gene ID Background

## 6965

The V<sub>4</sub>9 TCR is a variant of the TCR  $\gamma$  chain expressed on a subset of  $\gamma/\delta$  T cells. V<sub>4</sub>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.