

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor<sup>®</sup> 647 Anti-Human TCRVγ9 Antibody[B3]

Catalog Number: AN00357M

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

#### **Description**

Reactivity Human Mouse Host Mouse IgG1 Isotype

Clone No.

Isotype Control Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]

Conjugation Elab Fluor®647

**Conjugation Information** Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

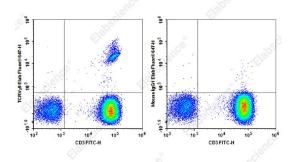
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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 normal human peripheral blood cells with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Anti-Human TCR Vy9 Antibody[B3] (left) or Elab Fluor® 647 Mouse IgG1, κ 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

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

T cell receptor Vy9;TCR Vy2;TRGV9;TCRGV2S1 **Alternate Names** 

**Uniprot ID** Q99603 Gene ID 6965

### For Research Use Only

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#### **Elabscience Bionovation Inc.**

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## **Background**

Elabscience®

The Vγ9 TCR is a variant of the TCR γ chain expressed on a subset of γ/δ T cells. Vγ9Vδ 2 T lymphocytes, a major y/δ 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 γ/δ 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.

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