

Elab Fluor® 647 Anti-Human TCRV γ 9 Antibody[B3]

Catalog Number: AN00357M

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

Description

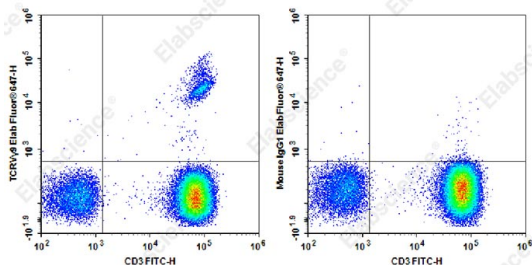
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1
Clone No.	B3
Isotype Control	Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]
Conjugation	Elab Fluor® 647
Conjugation Information	Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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.
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Data



Staining of normal human peripheral blood cells with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Anti-Human TCR V γ 9 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 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	T cell receptor V γ 9;TCR V γ 2;TRGV9;TCRGV2S1
Uniprot ID	Q99603
Gene ID	6965

For Research Use Only

Background

The V γ 9 TCR is a variant of the TCR γ chain expressed on a subset of γ/δ T cells. V γ 9V δ 2 T lymphocytes, a major γ/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 γ and δ chains involved in antigen recognition and the non-covalently associated monomorphic proteins CD3 δ , γ , ϵ , and ζ chains.