

PE/Cyanine 7 Anti-Human TCR Vβ1 Antibody[BL37.2]

Catalog Number: AN00371H

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

Description

Reactivity	Human
Host	Rat
Isotype	Rat IgG1, κ
Clone No.	BL37.2
Isotype Control	PE/Cyanine7 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822H]
Conjugation	PE/Cyanine 7
Conjugation Information	PE/Cyanine 7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

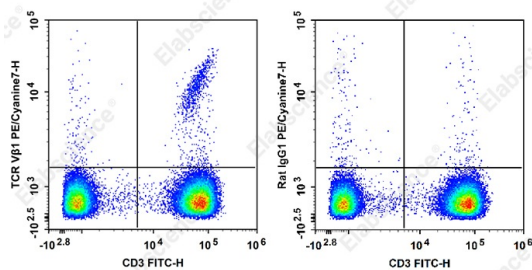
Applications

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.

Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD3 Antibody[OKT-3] and PE/Cyanine7 Anti-Human TCR Vβ1 Antibody[BL37.2] (left) or PE/Cyanine7 Rat 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	TRBV;TRBV9
Uniprot ID	A0A0B4J1U6

For Research Use Only

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Rev. V1.2

Background

TCR V β 1 is a variant of the TCR V β chain that is expressed by a subset of $\alpha\beta^+$ T cells. Aberrant expression of TCR V β chains has been associated with infection and cancer. TCR V β 1 is reported to be preferably used by autoreactive T cells in a model of autoimmune thyroiditis and diabetes. Skewing of TCR V β repertoire to V β 1 and V β 9 has also been reported in patients with multiple sclerosis, reactive arthritis, and Kawasaki disease.