Purified Anti-Human TCR Vβ1 Antibody

catalog number: **AN003710P**

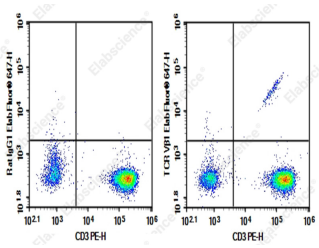
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human TCRVβ1 protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	BL37.2
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human TCR Vβ1 Antibody[BL37.2] (Right) and 0.2 μg Rat IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Human CD3 PE-conjugated Monoclonal Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

TCR Vβ1 is a variant of the TCR Vβ chain that is expressed by a subset of αβ+ T cells. Aberrant expression of TCR Vβ chains has been associated with infection and cancer. TCR Vβ1 is reported to be preferably used by autoreactive T cells in a model of autoimmune thyroiditis and diabetes. Skewing of TCR Vβ repertoire to Vβ1 and Vβ9 has also been reported in patients with multiple sclerosis, reactive arthritis, and Kawasaki disease.

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