

## Purified Anti-Human TCRVβ1 Antibody[BL37.2]

catalog number: AN003710P

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

### Description

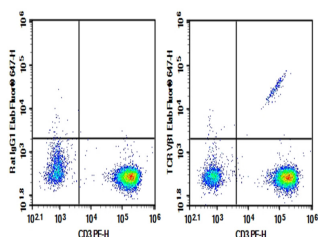
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human TCRVβ1 protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1, κ
<b>Clone</b>	BL37.2
<b>Purification</b>	>98%, Protein A/G purified
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.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

### Applications

### Recommended Dilution

<b>FCM</b>	2 µg/mL(0.5×10 <sup>6</sup> -1×10 <sup>6</sup> cells)
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### Data



Human peripheral blood lymphocytes were stained with 0.2 µg Purified Anti-Human TCRVβ1 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

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

### Background

TCR Vβ1 is a variant of the TCR Vβ chain that is expressed by a subset of αβ<sup>+</sup> 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.