

Purified Anti-Human TCRVβ1 Antibody[BL37.2]

catalog number: AN003710P

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

Description

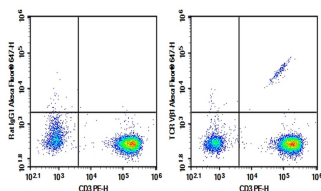
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|---------------------|--|
| Reactivity | Human |
| Immunogen | Recombinant Human TCRVβ1 protein |
| Host | Rat |
| Isotype | Rat IgG1, κ |
| Clone | BL37.2 |
| Purification | >98%, Protein A/G purified |
| Conjugation | Unconjugated |
| Buffer | Phosphate-buffered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

Applications

Recommended Dilution

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| FCM | 2 µg/mL (1×10^5 - 5×10^5 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 Alexa Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Human CD3 PE-conjugated Monoclonal Antibody.

Preparation & Storage

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| 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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