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# Purified Anti-Human TCRVβ13.1 Antibody[H131]

catalog number: AN002880P

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

### **Description**

Reactivity Human

Immunogen Recombinant Human TCRVβ13.1 protein

Host Mouse

**Isotype** Mouse IgG2b, κ

Clone H131

**Purification** >98%, Protein A/G purified

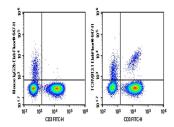
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

# Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu$ g Purified Anti-Human TCRV $\beta$ 13.1 Antibody[H131] (Right) and 0.2  $\mu$ g Mouse IgG2b,  $\kappa$  Isotype Control (Left), followed

by Elab Fluor<sup>®</sup> 647-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD3 FITC-conjugated Monoclonal Antibody.

## **Preparation & Storage**

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 V $\beta$ 13.1 is a variant of the TCR  $\beta$  chain. The receptor is complexed with the TCR  $\alpha$  chain and belongs to the immunoglobulin superfamily. It is expressed on a subset of T cells and some T cell clones. Variability in the  $\beta$  chain is generated by V $\beta$ , D $\beta$ , and J $\beta$  gene rearrangement, while variability in the  $\alpha$  chain is generated by V $\alpha$  and J $\alpha$  rearrangement. TCR V $\beta$ 13.1 has been shown to be related to antigen recognition and inflammation as well as diseases, such as HIV and multiple sclerosis.

For Research Use Only

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