

## Purified Anti-Human TCR Vβ3 Antibody[JOVI.3]

catalog number: AN008340P

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

### Description

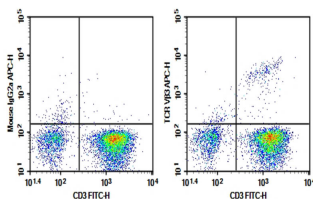
|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human   |
| <b>Immunogen</b>    | Recombinant Human TCR Vβ3 protein   |
| <b>Host</b>         | Mouse   |
| <b>Isotype</b>      | Mouse IgG2a, κ  |
| <b>Clone</b>        | JOVI.3  |
| <b>Purification</b> | >98%, Protein A/G purified  |
| <b>Buffer</b>       | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>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) |
|------------|---|

### Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human TCR Vβ3 Antibody[JOVI.3] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD3 FITC-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

The JOVI.3 monoclonal antibody specifically recognizes the human variable beta 3 region of the T cell receptor for antigen (TCR Vβ3). The JOVI.3 antibody reportedly stains approximately 1-10% of human CD3-positive peripheral blood lymphocytes including CD410<sup>+</sup> or CD810<sup>+</sup> T cells. The variation in human TCR Vβ3 expression correlates with allelic polymorphism in the spacer region of recombination signal sequence. The JOVI.3 antibody is mitogenic for peripheral blood T cells expressing TCR Vβ3.

### For Research Use Only