

## Purified Anti-Human TCR Vα7.2 Antibody[3C10]

catalog number: **AN008960P**

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

### Description

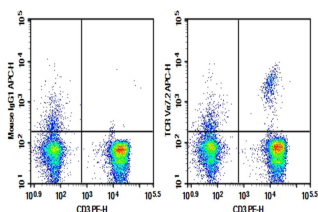
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human TCR Vα7.2 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone</b>	3C10
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely 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 TCR Vα7.2 Antibody[3C10] (Right) and 0.2 µg Mouse IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse 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

The 3C10 antibody recognizes the Vα7.2 T cell antigen receptor (TCR) α-chain segment which, joined with the Jα33 segment, constitutes an invariant TCR that is a characteristic of the mucosal-associated invariant T cells (MAIT cells). MAIT cells are restricted by a nonpolymorphic class Ib major histocompatibility complex (MHC) molecule, MHC-related molecule 1 (MR1). MAIT cells are present in human blood (1-8% of T cells), mesenteric lymph nodes, liver, and intestinal mucosa. MAIT cells play a role in detecting and fighting off microbial infections.

### For Research Use Only

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