Anti-Human TCR Vα7.2-153Eu

Catalog: 3153024B
Clone: 3C10
Package Size: 100 tests
Storage: Store product at 4°C. Do not freeze.
Reactivity: Human,

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

The 3C10 antibody recognizes the Vα7.2 T cell antigen receptor (TCR) α-chain segment, which together with Jα33 segment forms the invariant T cell receptor. Human Vo7.2-Jo33 invariant T cells are preferentially localized in the gut and are often termed as mucosal-associated T (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 are involved in regulation of immune response at the mucosal surfaces by detecting and fighting off microbial infections.

References
