

Technical Data Sheet

APC Anti-Human TCR V β 13.1 Antibody

Catalog Number: 106311, 106312

Size: 25 tests, 100 tests

Target Name: TCR V β 13.1, T cell receptor V β 13.1 chain, TCRBV13.1, TCRBV13

Regulatory Status: RUO

Product Details

Clone: H131

Application: Flow Cytometry

Reactivity: Human

Format: APC

Isotype: Mouse IgG2b

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

Protein Concentration: Supplied at a lot-specific concentration.

Storage&Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use 5 μ L of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by titration for each specific application. APC has an excitation max at 650 nm and an emission max at 660 nm.

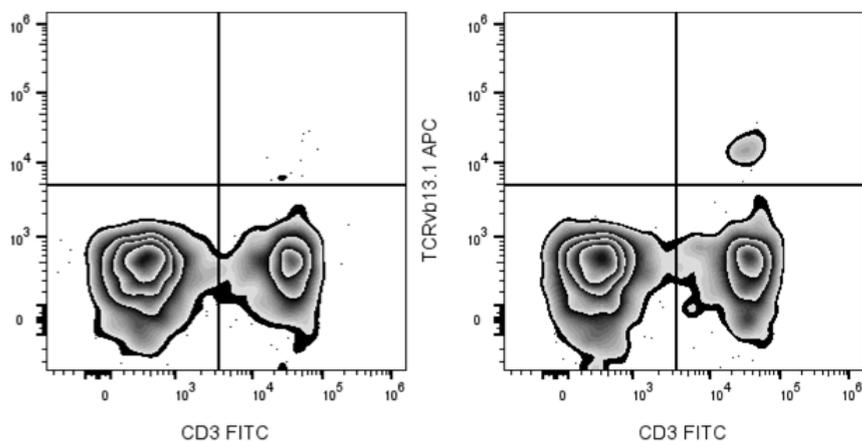
Excitation Laser: Red Laser (633 nm)

Isotype Control: [301621](#)

Background Information

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

Product Data



Human peripheral blood lymphocytes stained iF488 anti-human CD3 and APC Anti-Human TCR Vb13.1 clone H131 (right panel) or APC isotype control (left panel).