

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103 Irvine, CA 92618

Technical Data Sheet

APC Anti-Human TCR Vb13.1

Catalog Number: 106311, 106312

Size: 25 tests, 100 tests

Target Name: TCR Vb13.1, T cell receptor V?13.1 chain, TCRBV13.1, TCRBV13

Regulatory Status: RUO

Product Details

Clone: H131
Application: FC
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 uL 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. **Excitation Laser:** Red Laser (633 nm)

Background Information

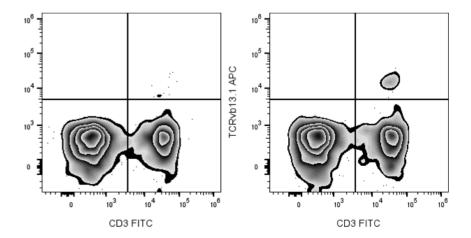
TCR V?13.1 is a variant of the TCR? chain. The receptor is complexed with the TCR? chain and belongs to the immunoglobulin superfamily. It is expressed on a subset of T cells and some T cell clones. Variability in the? chain is generated by V?, D?, and J? gene rearrangement, while variability in the?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

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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).