

Technical Data Sheet

PE Anti-Human TCR Vb13.1

Catalog Number: 106309, 106310

Size: 25 tests, 100 tests

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

Regulatory Status: RUO

Product Details

Clone: H131

Application: FC

Reactivity: Human

Format: PE

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

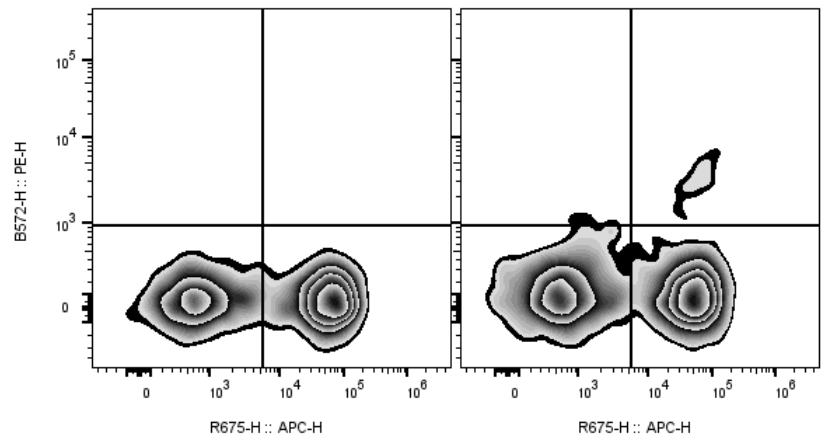
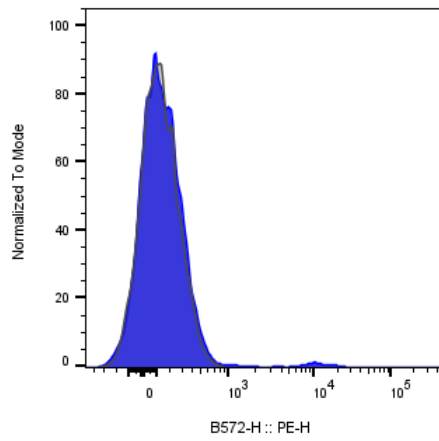
Recommended Usage: For flow cytometric staining, it is recommended to use 5 μ L of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Blue Laser (488 nm) Green/Yellow laser (532/561nm)

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 with CD3 iF647 (APC) and PE Anti-Human TCR Vb13.1 clone H131 (blue histogram, right panel) or an isotype control (gray histogram, middle panel).