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# FITC Anti-Human TCR Vb13.1 Antibody

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| **Catalog Number:** | 106307, 106308 |
| **Size:** | 25 tests, 100 tests |
| **Target Name:** | TCR Vb13.1, T cell receptor Vβ13.1 chain, TCRBV13.1, TCRBV13 |
| **Regulatory Status:** | RUO |

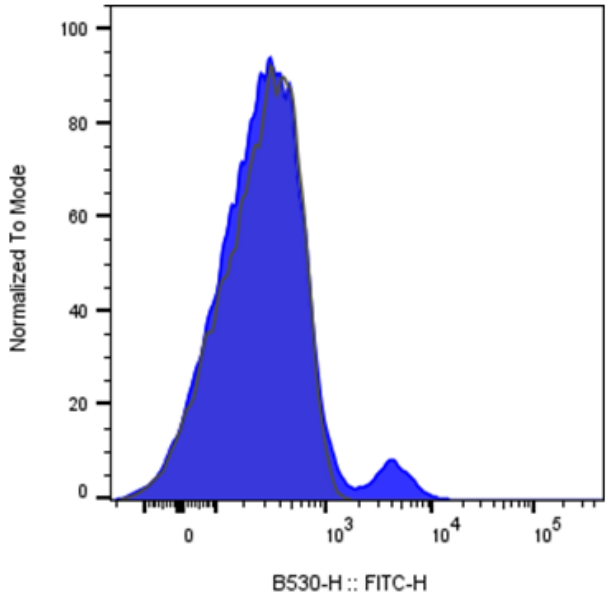
## PRODUCT DETAILS

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| **Clone:** | H131 |
| **Application:** | Flow Cytometry |
| **Reactivity:** | Human |
| **Format:** | FITC |
| **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 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. FITC has an excitation max at 493 nm and an emission max at 525 nm. |
| **Excitation Laser:** | Blue Laser (488 nm) |
| **Isotype Control:** | 301617 |
| **RRID:** | AB_3738716 |

## BACKGROUND INFORMATION

TCR Vβ13.1 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 Vβ, Dβ, and Jβ gene rearrangement, while variability in the α chain is generated by Vα and Jα rearrangement. TCR Vβ13.1 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 either FITC Anti-Human TCR Vb13.1 clone H131 (blue histogram) or an isotype control (gray histogram).

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