

## iF488 Anti-Human TCR Vb13.1 Antibody

<b>Catalog Number:</b>	106303, 106304
<b>Size:</b>	25 tests, 100 tests
<b>Target Name:</b>	TCR Vb13.1, T cell receptor V $\beta$ 13.1 chain, TCRBV13.1, TCRBV13
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	H131
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Human
<b>Format:</b>	iF488
<b>Isotype:</b>	Mouse IgG2b
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage and Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use 5 $\mu$ L of this reagent per 0.5-1.0 million cells in a 100 $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application. iF488 has an excitation max at 491 nm and an emission max at 516 nm.
<b>Excitation Laser:</b>	Blue Laser (488 nm)
<b>Isotype Control:</b>	301603

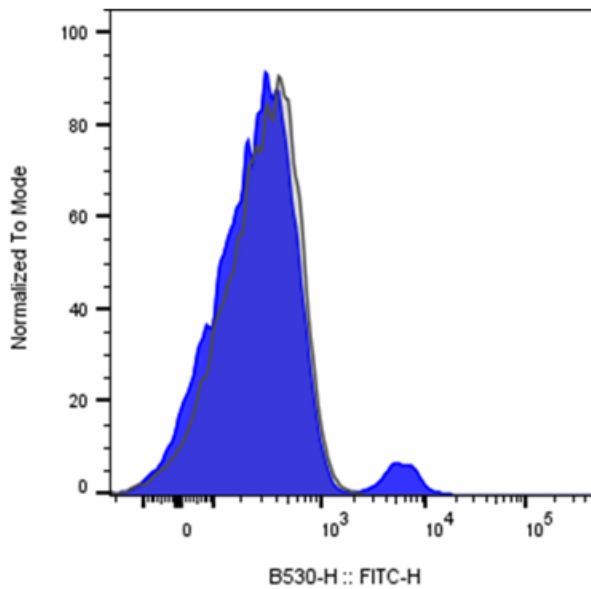
### BACKGROUND INFORMATION

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TCR V $\beta$ 13.1 is a variant of the TCR  $\beta$  chain. The receptor is complexed with the TCR  $\alpha$  chain and belongs to the immunoglobulin superfamily. It is expressed on a subset of T cells and some T cell clones. Variability in the  $\beta$  chain is generated by V $\beta$ , D $\beta$ , and J $\beta$  gene rearrangement, while variability in the  $\alpha$  chain is generated by V $\alpha$  and J $\alpha$  rearrangement. TCR V $\beta$ 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

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Human peripheral blood lymphocytes stained with either iF488 Anti-Human TCR Vb13.1 clone H131 (blue histogram) or an isotype control (gray histogram).

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