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iF560 Anti-Human TCR Vb13.1 Antibody

Catalog Number:	106313, 106314
Size:	25 tests, 100 tests
Target Name:	TCR Vb13.1, T cell receptor Vβ13.1 chain, TCRBV13.1, TCRBV13
Regulatory Status:	RUO

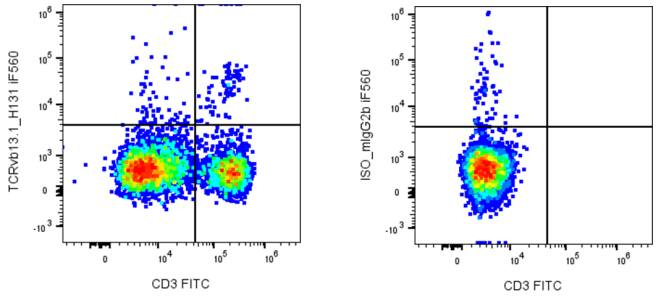
PRODUCT DETAILS

Clone:	H131
Application:	Flow Cytometry
Reactivity:	Human
Format:	iF560
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 µL volume. Optimal reagent performance should be determined by titration for each specific application. iF560 has an excitation max at 560 nm and an emission max at 571 nm.
Excitation Laser:	Green/Yellow laser (532/561nm)
Isotype Control:	301623

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 were stained with FITC Anti-human CD3 clone OKT3 and co-stained with either iF560 Anti-Human TCR Vb13 antibody (left panel) or an isotype (right panel).

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