

PerCP/Cy5.5 anti-human TCR Vβ1

Catalog # / Size: 2400520 / 100 tests
2400515 / 25 tests

Clone: BL37.2

Isotype: Rat IgG1, κ

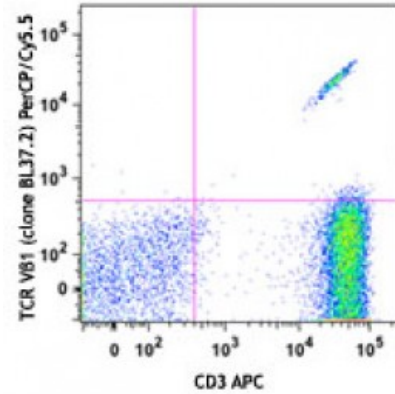
Immunogen: Rat cell line RBL-2H3 transfected with human TCR-VB1

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific

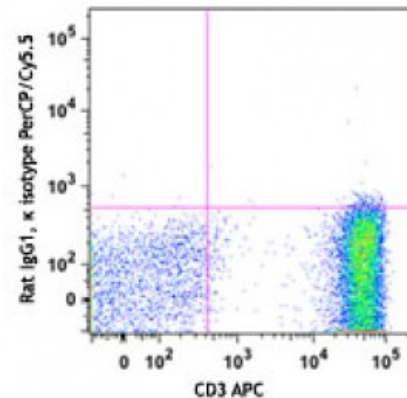


Human peripheral blood lymphocytes were stained with CD3 APC and anti-human TCR Vβ1 (clone BL37.2 PerCP/Cy5.5 (top) or rat IgG1, κ PerCP/Cy5.5 isotype control (bottom)).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Description: TCR Vβ1 is a variant of the TCR Vβ chain that is expressed by a subset of αβ+ T cells. Aberrant expression of TCR Vβ chains has been associated with infection and cancer. TCR Vβ1 is reported to be preferably used by autoreactive T cells in a model of autoimmune thyroiditis and diabetes. Skewing of TCR Vβ repertoire to Vβ1 and Vβ9 has also been reported in patients with multiple sclerosis, reactive arthritis, and Kawasaki disease.

Antigen References:

1. Cihak J, *et al.* 1991. *Proc. Natl. Acad. Sci.* 88:10951.
2. Wei S, *et al.* 1994. *Immunogenetics.* 40:27.
3. Dunon D, *et al.* 1994. *EMBO J.* 13:808.