

# TCR V beta 13.2 Monoclonal Antibody (H132), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	H132
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1907441

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

## Product Specific Information

**Description:** This H132 monoclonal antibody recognizes the human T cell receptor (TCR) Vbeta13.2 allele. Composed of an alpha and beta chain, TCR specificity is typically determined by Valpha, Jalpha, Vbeta, Dbeta, and Jbeta gene rearrangement. Vbeta expression in humans has been examined in studies on the effects of superantigens, inflammation, autoimmune disease, and HIV infection. More recently, assessment of TCR Vbeta expression has been used to phenotype T cell clonality in CD3+/TCRalpha beta+ large granular lymphocyte leukemias. A member of the Ig superfamily, this receptor is expressed on a subset of peripheral blood T cells.

The H132 monoclonal antibody recognizes TCR Vbeta13.2 specifically, but not Vbeta13.1 or Vbeta13.3.

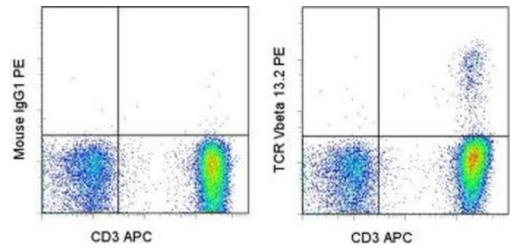
**Applications Reported:** This H132 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This H132 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For TCR V beta 13.2 Monoclonal Antibody (H132), PE, eBioscience™



**TCR V beta 13.2 Antibody (12-5802-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD3 APC (Product # 17-0037-42) and Mouse IgG1 kappa Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human V beta 13.2 TCR PE (right). Cells in the lymphocyte gate were used for analysis.

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