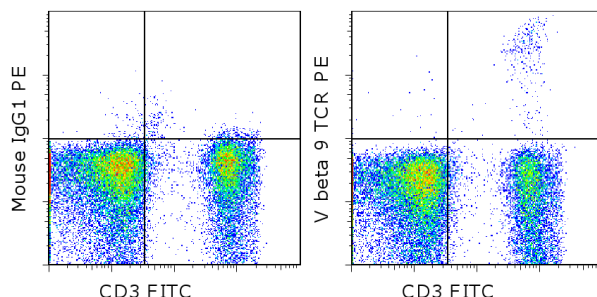


Anti-Human V beta 9 TCR PE

Catalog Number: 12-4899

Also known as: Vbeta 9, Vb9

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (cat. 11-0038) and Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (left) or Anti-Human V Beta 9 TCR PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human V beta 9 TCR PE

Catalog Number: 12-4899

Clone: AMKB1-2

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This AMKB1-2 monoclonal antibody recognizes the human T cell receptor (TCR) Vβ9 allele. Composed of an α and β chain, TCR specificity is typically determined by Vα, Jα, Vβ, Dβ, and Jβ gene rearrangement. Vβ expression in humans has been examined in studies on the effects of superantigens, inflammation, autoimmune disease, and HIV infection. More recently, assessment of TCR Vβ expression has been used to phenotype T cell clonality in CD3⁺/TCRαβ⁺ large granular lymphocyte leukemias. A member of the Ig superfamily, this receptor is expressed on a subset of peripheral blood T cells.

Applications Reported

This AMKB1-2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AMKB1-2 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 10⁵ to 10⁸ cells/test.

References

Lima M, Almeida J, Santos AH, dos Anjos Teixeira M, Alguero MC, Queirós ML, Balanzategui A, Justiça B, Gonzalez M, San Miguel JF, Orfao A. Immunophenotypic analysis of the TCR-Vbeta repertoire in 98 persistent expansions of CD3(+)/TCR-alpha-beta(+) large granular lymphocytes: utility in assessing clonality and insights into the pathogenesis of the disease. *Am J Pathol.* 2001 Nov;159(5):1861-8.

Dong T, Stewart-Jones G, Chen N, Easterbrook P, Xu X, Papagno L, Appay V, Weekes M, Conlon C, Spina C, Little S, Screaton G, van der Merwe A, Richman DD, McMichael AJ, Jones EY, Rowland-Jones SL. HIV-specific cytotoxic T cells from long-term survivors select a unique T cell receptor. *J Exp Med.* 2004 Dec 20;200(12):1547-57.

Stuart PM, Munn RK, DeMoll E, Woodward JG. Characterization of human T-cell responses to Yersinia enterocolitica

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superantigen. Hum Immunol. 1995 Aug;43(4):269-75. (**AMKB1-2**, FC, Pubmed)

Choi YW, Kotzin B, Lafferty J, White J, Pigeon M, Kubo R, Kappler J, Marrack P. A method for production of antibodies to human T-cell receptor beta-chain variable regions. Proc Natl Acad Sci U S A. 1991 Oct 1;88(19):8357-61.

Related Products

11-0037 Anti-Human CD3 FITC (OKT3)

11-0038 Anti-Human CD3 FITC (UCHT1)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)