Mouse anti-Human TCR Vdelta2 Monoclonal Antibody | anti-TCRVdelta2 antibody

Anti-Hu TCR Vdelta2 Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129120	**Mouse**	**Human**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

TCR Vdelta2; Monoclonal Antibody; Anti-Hu TCR Vdelta2 Purified; TCRVD2; anti-TCRVdelta2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	B6
Specificity	The mouse monoclonal antibody B6 recognizes an extracellular epitope of human TCR Vdelta2, which is expressed on the majority of gamma/delta T cells.
Purity/Purification	Purified by protein-A affinity chromatography
Form/Format	Purified. Phosphate buffered saline (PBS) solution with 15mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TCRVdelta2 antibody	FCM/FACS (Flow Cytometry)
Immunogen	human recombinant TCR Vdelta2
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Do not use after expiration date stamped on the label.

ADDITIONAL INFORMATION

Related Product Information for anti-TCRVdelta2 antibody	TCR Vdelta2 is a variant of TCR delta chain, that is present on a major subset of human gamma/delta T cells. TCR Vgamma9/Vdelta2 (or Vgamma2/Vdelta2) T cells are able to recognize and kill various tumor cells, as this receptor heterodimer binds to certain phosphoantigens, expressed by tumors. They can recognize these antigens in an MHC-unrestricted manner. Similarly to NK cells, Vdelta2 T cells express MHC I receptors and killer Ig-like receptors, that are involved in tumor recognition and cytolysis. The potently cytotoxic subset of them is identified by cell surface expression of polysialyated CD56.

References	*Siegers GM, Felizardo TC, Mathieson AM, Kosaka Y, Wang XH, Medin JA, Keating A: Anti-leukemia activity of in vitro-expanded human gamma delta T cells in a xenogeneic Ph+ leukemia model. PLoS One. 2011 Feb 3;6(2):e16700., URL: https://pubmed.ncbi.nlm.nih.gov/21304898/,*Hunter S, Willcox CR, Davey MS, Kasatskaya SA, Jeffery HC, Chudakov DM, Oo YH, Willcox BE: Human liver infiltrating gammadelta T cells are composed of clonally expanded circulating and tissue-resident populations. J Hepatol. 2018 Sep;69(3):654-665., URL: https://pubmed.ncbi.nlm.nih.gov/29758330/,*Ogongo P, Steyn AJ, Karim F, Kaylesh J Dullabh KJ, Awala I, Madansein R, Leslie A, Behar SM: Differential skewing of donor-unrestricted and gammadelta T cell repertoires in tuberculosis-infected human lungs. J Clin Invest. 2020 Jan 2;130(1):214-230., URL: https://pubmed.ncbi.nlm.nih.gov/31763997/,*Li H, Luo K, Pauza CD: TNF-alpha is a positive regulatory factor for human Vgamma2 Vdelta2 T cells. J Immunol. 2008 Nov 15;181(10):7131-7, URL: https://pubmed.ncbi.nlm.nih.gov/18981134/,*Fisher JP, Yan M, Heuijerjans J, Carter L, Abolhassani A, Frosch J, Wallace R, Flutter B, Capsomidis A, Hubank M, Klein N, Callard R, Gustafsson K, Anderson J: Neuroblastoma killing properties of Vdelta2 and Vdelta2-negative gammadeltaT cells following expansion by artificial antigen-presenting cells. Clin Cancer Res. 2014 Nov 15;20(22):5720-32., URL: https://pubmed.ncbi.nlm.nih.gov/24893631/,*Davey MS, Willcox CR, Hunter S, KasatskayaSA, Remmerswaal EB, Salim M, Mohammed F, Bemelman FJ, Chudakov DM, Oo YH, Willcox BE: The human Vdelta2 + T-cell compartment comprises distinct innate-like Vgamma9 + and adaptive Vgamma9 - subsets. Nat Commun. 2018 May 2;9(1):1760., URL: https://pubmed.ncbi.nlm.nih.gov/29720665/

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Online datasheet: https://stage.aaabiotech.com/monoclonal/tcr-vdelta2-antibody-clone-b6-flow-cytometry-elisa/129120