

Mouse Anti-Human T-Cell Receptor V beta-11 Monoclonal Antibody

Mouse, Monoclonal (TRB@)

Cat. No. DMAB4358MH

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Monoclonal Antibody to T-Cell receptor V alpha-11

Specificity: Human variable beta-11 chain of the T cell receptor also called TCRBV11S1 according to the nomenclature from Wei et al.(1) Two V beta-11 sequences have been described, PL3.12 (2) and PH15 (3). These sequences differ only in their leader sequence and therefore lead to the same mature protein. C21 recognizes the gene product of these sequences. It has been characterized on human T cell clones and by extensive cell sorting followed by molecular biology analysis. V beta-11 has been shown to be expanded in a clonal fashion in the CD3+ CD8- CD4- cell population in PBL of several donors (4, 5).

Isotype: IgG2a

Clone: D22

Host animal: Mouse. Hybridization of PA1 myeloma cells with spleen cells from BALB/c mice.

Source: Ascites

Immunogen: Human T-Cell clone

Format: Purified, Lyophilized. Reconstitute with 0.5ml distilled water

Applications: T-cell repertoire research studies. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded

Purification: Ion exchange

Affinity Constant: Not determined

REFERENCES

1. Kieke, Michele C.; Shusta, Eric V.; Teyton, Luc; Wittrup, K. Dane; Kranz, David M. (1999). "Selection of functional T cell receptor mutants from a yeast surface-display library". Proceedings of the National Academy of Science of the United States of America 96 (10): 5651–5656.
2. Abram, Clare L.; Lowell, Clifford A. (2007-03-13). "The Expanding Role for ITAM-Based Signaling Pathways in Immune Cells". Science Signalling 2007 (377): re2.

ANTIGEN GENE INFORMATION

Gene Name: [TRB@ T cell receptor beta locus \[Homo sapiens \]](#)

Official Symbol: TRB@

Synonyms: TRB@; T cell receptor beta locus; TRB; TCRB; T-cell receptor, beta cluster; T-cell antigen receptor, beta polypeptide, T-cell receptor, beta cluster; T-Cell Receptor V beta-11

GeneID: [6957](#)

MIM: [186930](#)

Chromosome Location: 7q34

Pathway: Cytokines and Inflammatory Response; T Cell Receptor Signaling Pathway

PACKAGING

1. Kieke, Michele C.; Shusta, Eric V.; Teyton, Luc; Wittrup, K. Dane; Kranz, David M. (1999). "Selection of functional T cell receptor mutants from a yeast surface-display library". Proceedings of the National Academy of Science of the United States of America 96 (10): 5651–5656.
2. Abram, Clare L.; Lowell, Clifford A. (2007-03-13). "The Expanding Role for ITAM-Based Signaling Pathways in Immune Cells". Science Signalling 2007 (377): re2.