

Anti-TCR CBeta1 [JOVI.1] mAb

Catalogue number: 151289

Sub-type: Primary antibody

Images:

Contributor

Inventor: Mike Owen

Institute: Cancer Research UK, Lincoln's Inn Fields Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-TCR CBeta1 [JOVI.1] mAb

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody specific for the variable region of T cell receptors in humans. This antibody aids the study of T-cell mediated diseases.

Anti-TCR CBeta1 [JOVI.1] mAb recognises an epitope on the majority of TCRs.

Anti-TCR CBeta1 [JOVI.1] mAb is capable of inducing proliferation of peripheral blood T cells.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Human HA1.7 TCR beta chain expressed on transgenic mouse cells.

Immunogen UNIPROT ID: P01850

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: TCR CBeta1

Target alternate names:

Target background: The T cell receptor is expressed on all mature T cells. The T cell receptor is heterodimer of alpha/beta or gamma/delta chains, expressed on all mature T cells. TCR's recognize antigen peptides bound to MHC molecules, providing the basis of antigen specific response by T cells. Genetic mutations involving the T cell receptor beta locus have been associated with T cell lymphomas. JOVI.1 can be used for studies of T-cell mediated diseases, including autoimmunity and allergy. Antibody JOVI.1 recognised a determinant on the majority of TCRs, staining 50-75% of peripheral blood T cells and T cell lines expressing different V beta regions.

Molecular weight:

Ic50:

Applications

Application: WB ; FACS ; IHC ; IF ; IP

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-TCR C α 1, Recombinant [JOVI.1]

References

References: Nateri et al. 2004. Science. 303(5662):1374-8. PMID: 14739463. ; The ubiquitin ligase SCFFbw7 antagonizes apoptotic JNK signaling.

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