

# Anti-TCR CBeta1 [JOVI.1]rAb

**Catalogue number:** 153363

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Mike Owen

**Institute:** Cancer Research UK, London Research Institute: Lincoln's Inn Fields ; Absolute Antibody

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-TCR CBeta1 [JOVI.1]rAb

**Alternate name:**

**Class:** Recombinant

**Conjugate:** Unconjugated

**Description:** Recombinant antibody which aids investigation into T-cell mediated diseases.

Background and Research Application 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. TCRs recognize antigen peptides bound to MHC molecules, providing the basis of antigen specific response by T cells. Genetic mutations involving the T cell receptor locus have been associated with T cell lymphomas. Recombinant version of the anti-JOVI.1 monoclonal antibody. 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 regions.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Thymus, spleen and mesenteric lymph nodes isolated from a mouse transgenic for human Vb3 TcR.

**Immunogen UNIPROT ID:**

P01850

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** TCR C? $\gamma$ 1

**Target alternate names:**

**Target background:** Recombinant antibody which aids investigation into T-cell mediated diseases. Background and Research Application 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  $\gamma$  locus have been associated with T cell lymphomas. Recombinant version of the anti-JOVI.1 monoclonal antibody. JOVI.1 can be used for studies of T-cell mediated diseases, including autoimmunity and allergy. Antibody JOVI1recognised a determinant on the majority of TCRs, staining 50-75% of peripheral blood T cells and T cell lines expressing different V $\gamma$  regions.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** 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

**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?1 [JOVI.1]

## References

**References:**

CancerTools.org