

Anti-V(beta)3 T cell receptor (TcR) [JOVI.3]

Catalogue number: 152627

Sub-type: Primary antibody

Images:

Contributor

Inventor: Mike Owen

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

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-V(beta)3 T cell receptor (TcR) [JOVI.3]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody used in the study of T cell diseases, and as a CAR therapy in T cell lymphoma/leukaemia. Background and Research Application The T cell receptor is heterodimer of alpha/beta or gamma/delta chains, expressed on all mature T cells. TCR's recognise antigen peptides bound to MHC molecules, providing the basis of antigen specific response by T cells. JOVI.3 can be used for studies of T cell mediated diseases, including autoimmunity and allergy. The antibody recognises any human T cell receptor that has the V beta 3 region, staining 50-75% of peripheral blood T cells and T cell lines.

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: P09693

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: CD3 positive PBMCs

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: V(beta)3 T cell receptor (TcR)

Target alternate names:

Target background: Monoclonal antibody used in the study of T cell diseases, and as a CAR therapy in T cell lymphoma/leukaemia. Background and Research Application The T cell receptor is heterodimer of alpha/beta or gamma/delta chains, expressed on all mature T cells. TCR's recognise antigen peptides bound to MHC molecules, providing the basis of antigen specific response by T cells. JOVI.3 can be used for studies of T cell mediated diseases, including autoimmunity and allergy. The antibody recognises any human T cell receptor that has the v?3 region, staining 50-75% % of peripheral blood T cells and T cell lines.

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC ; IP ; Fn

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:

References

References: Mahanthappa et al. 1996. J Neurosci. 16(15):4673-83. PMID: 8764655. ; Glial growth factor 2, a soluble neuregulin, directly increases Schwann cell motility and indirectly promotes neurite outgrowth. ; Ogasawara et al. 1990. Microbiol Immunol. 34(12):1025-39. PMID: 2098631. ; Fabian et al. 1990. Neurology. 40(3 Pt 1):419-22. PMID: 1690363. ; Uptake of antineuronal IgM by CNS neurons: comparison with antineuronal IgG. ; Ia restriction specificity of KLH-specific T cells from allogeneic bone marrow chimeras is influenced by histocompatibility at the H-2 and minor histocompatibility loci. ; Yasumizu et al. 1988. J Immunol. 141(6):2181-6. PMID: 3049801. ; Development of donor-derived thymic lymphomas after allogeneic bone marrow transplantation in AKR/J mice. ; Lake et al. 1979. Eur J Immunol. 9(11):875-86. PMID: 393521. ; Production and characterization of cytotoxic Thy-1 antibody-secreting hybrid cell lines. Detection of T cell subsets.