

Anti-CD3 [C363.29B]

Catalogue number: 155234

Sub-type:

Images:

Contributor

Inventor:

Institute: Yale University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD3 [C363.29B]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which binds an epitope within the CD3-TCR complex. Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3 α , CD3 β and 2X CD3 γ), associates with the T cell antigen receptor (TCR. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. CD3 may play a role in TCR-induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkinje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases. This antibody reacts with an epitope located in the epsilon chain of the CD3/TCR complex.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host: Rat

Immunogen: P07766

Immunogen UNIPROT ID: P07766

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: CD3

Target alternate names:

Target background: Monoclonal antibody which binds an epitope within the CD3-TCR complex.
Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3 α , CD3 β and 2X CD3 γ), associates with the T cell antigen receptor (TCR. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. CD3 may play a role in TCR-induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkinje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases. This antibody reacts with an epitope located in the epsilon chain of the CD3/TCR complex.

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions:

-15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Ziegler et al. 1979. Nature. 279(5710):243-4. PMID: 312466.

CancerTools.org