

Anti-CD3 recombinant antibody [UCH-T1™]

Catalogue number: 152589

Sub-type: Primary antibody

Images:

Contributor

Inventor: Peter Beverley

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

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD3 recombinant antibody [UCH-T1™]

Alternate name:

Class: Recombinant

Conjugate: Unconjugated

Description: Recombinant version of CRT trademarked famous anti-CD3 monoclonal antibody, capable of differentiating between T vs B cells lymphomas and leukaemia's. Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3gamma, CD3omega and 2X CD3epsilon), associates with the T cell antigen receptor (TCR). It is found on all mature human T lymphocytes, NK cells and some thymocytes. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. This is a recombinant version of anti-CD3 UCH-T1 . UCH-T1 is considered a pan T-cell marker - it can be used for the detection of T cell populations in peripheral blood and lymph nodes and the categorisation of T versus B cell lymphomas and leukaemias. It reacts with the majority of peripheral blood T lymphocytes, a major proportion of thymocytes, the majority of T cell chronic lymphocytic leukaemia cells, Sezary leukaemias and approximately 70% of acute lymphoblastic leukaemias of T cell origin. It can also be used to study the role of CD3 in TCR signal transduction events. This antibody was created by Professor Peter Beverley, a pioneer in creating hybridomas from mice immunised against human lymphocytes, with UCHT1 being one of the first successful fusions.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity:

Human

Selectivity:

Host: Mouse

Immunogen: Human infant thymocytes and Sezary cells.

Immunogen UNIPROT ID: P04234

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: UCH-T1™ is a registered trademark of Cancer Research Technology, Limited. All rights reserved.

Target details

Target: CD3

Target alternate names:

Target background: Recombinant version of CRT trademarked famous anti-CD3 monoclonal antibody, capable of differentiating between T vs B cells lymphomas and leukaemia's. Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3 α , CD3 β , CD3 γ and 2X CD3 δ), associates with the T cell antigen receptor (TCR). It is found on all mature human T lymphocytes, NK cells and some thymocytes. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. This is a recombinant version of anti-CD3 UCH-T1. UCH-T1 is considered a pan T-cell marker - it can be used for the detection of T cell populations in peripheral blood and lymph nodes and the categorisation of T versus B cell lymphomas and leukaemia's. It reacts with the majority of peripheral blood T lymphocytes, a major proportion of thymocytes, the majority of T cell chronic lymphocytic leukaemia cells, Szary leukaemia's and approximately 70% of acute lymphoblastic leukaemia's of T cell origin. It can also be used to study the role of CD3 in TCR signal transduction events. This antibody was created by Professor Peter Beverley, a pioneer in creating hybridomas from mice immunised against human lymphocytes, with UCHT1 being one of the first successful fusions.

Molecular weight:

Ic50:

Applications

Application: FACS ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS only

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

Shipping conditions: Shipping at 4 C

Related tools

Related tools: Anti-CD3 [UCH-T1??Â?]

References

References:

CancerTools.org