Anti-CD3 monoclonal antibody [UCH-T1™]

Catalogue number: 151175
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 monoclonal antibody [UCH-T1™]

Alternate name: T3 complex

Class: Monoclonal
Conjugate: Unconjugated
Description: CRT trademarked famous anti-CD3 monoclonal antibody, capable of differentiating between T vs B cells lymphomas and leukaemia's.
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:

Target details

Target: CD3

Target alternate names:

Target background: The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3?, CD3d and 2X CD3), 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. 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: 52 kDa

Ic50:

Applications

Application: FACS ; IHC ; IF ; IP ; Fn ; RIA ; WB
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-CD3, Recombinant [UCH-T1TM]

References

References: