

Anti-CD45RO [UCH-L1]

Catalogue number: 152588

Sub-type: Primary antibody

Images:

Contributor

Inventor: Peter Beverley

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

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD45RO [UCH-L1]

Alternate name:

Class: Recombinant

Conjugate: Unconjugated

Description: PTPRC (CD45) is a transmembrane tyrosine phosphatase that is present on all leukocytes. PTPRC regulates the threshold of T cell antigen receptor (TCR) signaling through dephosphorylation of protein tyrosine kinases (e.g. Lck and Fyn). CD45R and CD45RO are two of multiple PTPRC isoforms generated by alternative splicing. CD45R is found on B lymphocyte and T lymphocyte subsets. CD45RO is present on 50% of T cells, most granulocytes and monocytes and most mature T cell tumours. This antibody reacts with an epitope unique for CD45RO. It may identify abnormalities of functional T-cell subsets in immune disorders, be used in tumour diagnosis by FACS or immunohistology and has been very useful in studies of human T cell function and ontogeny.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Cultured T cells from an IL-2-dependent T-cell line (CA1) prepared from human peripheral blood activated with influenza virus.

Immunogen UNIPROT ID:

Sequence:

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

Target details

Target: Protein tyrosine phosphatase, receptor type, C (PTPRC, CD45RO)

Target alternate names:

Target background: PTPRC (CD45) is a transmembrane tyrosine phosphatase that is present on all leukocytes. PTPRC regulates the threshold of T cell antigen receptor (TCR) signaling through dephosphorylation of protein tyrosine kinases (e.g. Lck and Fyn). CD45R and CD45RO are two of multiple PTPRC isoforms generated by alternative splicing. CD45R is found on B lymphocyte and T lymphocyte subsets. CD45RO is present on 50% of T cells, most granulocytes and monocytes and most mature T cell tumours. This antibody reacts with an epitope unique for CD45R0. It may identify abnormalities of T-cell subsets in immune disorders, be used in tumour diagnosis by FACS or immunohistology and has been very useful in studies of human T cell function and ontogeny.

Molecular weight: 180 kDa

Ic50:

Applications

Application: FACS ; IHC ; IP ; 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: -20° C

Shipping conditions:

Shipping at 4° C

Related tools

Related tools: Anti-CD45RO [UCH-L1]

References

References: Original hybridoma first published in Hudson et al. 1992. Hybridoma. 11(3):367-79. PMID: 1500072. ; Characterisation of eight monoclonal antibodies to involucrin.

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