

Anti-Leu1 [H65]

Catalogue number: 151103

Sub-type: Primary antibody

Images:

Contributor

Inventor: Walter Bodmer

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

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Leu1 [H65]

Alternate name: CD5 Molecule 2; Lymphocyte Antigen T1/Leu-1; LEU1; CD5 Antigen; T1

Class: Monoclonal

Conjugate: Unconjugated

Description: CD5 is a good immunohistochemical marker for T-cells, although not as sensitive as CD3: it was used as a T-cell marker until monoclonal antibodies against CD3 were developed (see our UCHT1 anti-CD3 antibody). It is found in 76% of T-cells neoplasms, but also in diffuse large B cell lymphoma, chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. It is commonly lost in cutaneous T-cell lymphoma, and its absence can be used as an indicator of malignancy in this condition.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: HSB-2 cells.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Leu1 (CD5)

Target alternate names:

Target background: CD5 is a good immunohistochemical marker for T-cells, although not as sensitive as CD3: it was used as a T-cell marker until monoclonal antibodies against CD3 were developed (see our UCHT1 anti-CD3 antibody). It is found in 76% of T-cells neoplasms, but also in diffuse large B cell lymphoma, chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. It is commonly lost in cutaneous T-cell lymphoma, and its absence can be used as an indicator of malignancy in this condition.

Molecular weight:

Ic50:

Applications

Application: IHC ; IF ; IP ; 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: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Krfer et al. 1989. Acta Haematol. 82(4):193-6. PMID: 2511721. ; Wisniewski et al. 1989. Leukemia. 3(6):446-52. PMID: 2657231. ; Analysis of the individual and combined reactivities of monoclonal antibodies H25, H366, and MY9 with normal progenitor cells and blast cells from patients with acute myeloblastic leukemia. ; Immunophenotypic demonstration of two natural killer surface markers, H25 and H366, on fresh human leukemic cells. ; Signore et al. 1985. J Clin Lab Immunol. 17(1):25-8. PMID: 2931528. ; Study of the diurnal variation of human lymphocyte subsets. ; Bai et al. 1983. Eur J Immunol. 13(7):521-7. PMID: 6603362. ; Two monoclonal antibodies identifying a subset of human peripheral mononuclear cells with natural killer cell activity. ; Crawford et al. 1983. Br J Cancer. 47(5):681-6. PMID: 6303377. ; Characterisation of Epstein-Barr virus-specific memory T cells from the peripheral blood of seropositive individuals.

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