

Mouse Anti Human CD10

Code: [USC] 10U-HI10A-01

SIZE: 0.1 MG

Clone: HI10a

Label・Form: Purified

WSNo: V CD10.7

Isotype: IgG1

Description:

CD10 McAb recognizes neutral endopeptidase, a 100KD type II transmembrane glycoprotein, which is referred as the Common Acute Lymphoblastic Leukemia Antigen (CALLA). CD10 antigen is expressed on a wide variety of normal and neoplastic cells including some subset of B and T lymphoid progenitors, germinal center cells, some granulocytes and fibroblasts. It is as a marker of common (pre-B) acute lymphocytic leukemias and these cells usually coexpress CD19, HLA- II and CD9 antigens. CD10 functions as regulator of B cell growth and proliferation by hydrolysis of peptides with proliferative/anti-proliferative effects.

Preparation:

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE, PE-Cy5 under optimum conditions.

Usage:

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections. The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20 μ l/106 cells or 100 μ l peripheral blood cells. The conjugated reagent (PE-Cy5) is tested for flow cytometric analysis using 10 μ l/106 cells or 100 μ l peripheral blood cells.

Storage:

For purified forms, long term storage at -20°C. For conjugated forms, storage at 4°C, should not be frozen and avoid prolonged exposure to light.

References:

Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P: 491, 505, 2003 Oxford University Press, New York.



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