



Mouse Anti-Human CD10

PRODUCT INFORMATION

Catalog # CD10UL-100 **SIZE:** 100ug
CLONE: HI10a
Product Forms: Purified, FITC conjugation, PE conjugation, PE-Cy5 conjugation.

DESCRIPTION

CD10 McAb recognizes neutral endopeptidase, a 100KD type I 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-DR 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 20µl/10⁶ cells or 100µl peripheral blood cells.

The conjugated reagent (PE-Cy5) is tested for flow cytometric analysis using 10µl/10⁶ cells or 100µl 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 II: White Cell Differentiation Antigens. P: 491, 505, 2003 Oxford University Press, New York.