Mouse Anti Human CD19 FITC

PRODUCT INFORMATION

CLONE: HI19a
ISOTYPE: Mouse IgG1, κ
WS.No.: V CD19.11
CATALOG#: A6362/A6372
CONTENTS: FITC conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN_3 and 1% BSA.

DESCRIPTION

CD19 McAb recognizes a 95 KD type Ⅰ transmembrane glycoprotein which is restricted B cell antigen. CD19 antigen is expressed on normal and neoplastic B cells and also in some the bone marrow cells. CD19 expression by B progenitor cells is presumably at late pro-B or early pre-B stages around the time of Ig heavy chain rearrangement. Expression persists during all stages of B cell maturation and is lost on terminal differentiation to plasma cells. CD19 antigen is also found on the follicular dendritic cells and the early cells of myelomonocytic lineage but not on normal T cells, NK cells, monocytes, granulocytes, erythrocytes and platelets. In normal peripheral blood, 8-20% of lymphocytes express CD19 antigen. CD19 antigen plays a role in regulating B cell proliferation.

PREPARATION

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

USAGE

The FITC conjugated reagent is tested for flow cytometric analysis using 20μl/10^6 cells or 100μl peripheral blood cells.

STORAGE

Store at 4℃, 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、507、2004 Oxford University Press, New York.

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