ALPHA DIAGNOSTIC INTERNATIONAL

Mouse Anti-Human CD6

Catalog # **CD06UL-100** **SIZE:** 100 ug

PRODUCT INFORMATION
CLONE: HI210
ISOTYPE: Mouse IgG1
WS.No.: □5T 042, BP432
Product Forms: Purified, FITC conjugation, PE conjugation.

DESCRIPTION
CD6 McAb recognizes a 100-130 KD type Ⅰ single-chain transmembrane glycoprotein. CD6 is expressed at low levels on immature thymocytes, and at high levels on mature thymocytes. CD6 is also expressed at high levels on peripheral blood T cells and at low levels on most peripheral blood B cells. High levels of CD6 are present in T-cell malignancies and certain B-cell malignancies including B-CLL. CD6 not only is expressed on all $CD5^+$ B-CLL, but also on $CD5^-$ B-CLL, suggesting a broader distribution of CD6 than CD5 in B-cell malignancies. It is found recently CD6 is also on a minor subset of myeloid malignancies. CD6 functions as an adhesion molecule as well as a costimulatory molecule for T cell activation. The ligand for CD6 is CD166.

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

USAGE
The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.
The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20μl/10^6 cells or 100μl peripheral blood cells.

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

REFERENCES
Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing □: White Cell Differentiation Antigens. P: 246 Oxford University Press, New York.

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