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## Mouse Anti-Human CD6-PE-Cy5-conjugate

**Catalog #**      **CD06PC-25**      **SIZE:** 25 Tests  
**Catalog #**      **CD06PC-100**      **SIZE:** 100 Tests

### 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<sup>+</sup> B-CLL, but also on CD5<sup>-</sup> 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<sup>6</sup> 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 □: White Cell Differentiation Antigens. P: 246 Oxford University Press, New York.