
Mouse Anti-Human CD16-PE-Cy5-conjugate

Catalog # **CD16PC-100** **Size** **100 tests**
Catalog # **CD16PC-25** **Size** **25 tests**

PRODUCT INFORMATION

CLONE: HI16a
ISOTYPE: Mouse IgG1, κ
Product Forms: Purified, FITC conjugation, PE conjugation.

DESCRIPTION

CD16 McAb recognizes a 50-60KD transmembrane molecule, low affinity FC receptor for IgG (FcγRIII), which is a NK cell-associated antigen. CD16 antigen is expressed on the large majority of NK cells, granulocytes (but on eosinophils), monocytes/macrophages and a subset of T cells. CD16 antigen may involve in signal transduction, NK cell activation and antibody-dependent cellular cytotoxicity (ADCC).

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 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.

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

1. Knapp, W., B. Dorken, E. P. Rieber, et al., eds. 1989. Leucocyte Typing □: White Cell Differentiation Antigens. P:582 Oxford University Press, New York.
2. Barclay, N.A., M.L.Birkeland, M.H. Brown, et al., eds. 1993. The Leucocyte Antigen FactsBook, CD16 Section, Academic Press Inc., San Diego, California, p.136.