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## Mouse Anti-Human CD16

**Catalog #** CD16UL-100 **Size** 100 ug

### PRODUCT INFORMATION

**CLONE:** HI16a

**ISOTYPE:** Mouse IgG1,  $\kappa$

**Product Forms:** Purified, FITC conjugation, PE conjugation.

### DESCRIPTION

CD16 McAb recognizes a 50-60KD transmembrane molecule, low affinity FC receptor for IgG (Fc $\gamma$ RIII), 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 20 $\mu$ l/10<sup>6</sup> cells or 100 $\mu$ l 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

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.