



## Mouse Anti Human CD16 Purified

### PRODUCT INFORMATION

**CLONE:** HI16a  
**ISOTYPE:** Mouse IgG1,  $\kappa$   
**CATALOG#:** A6321/A6321-bulk  
**CONTENTS:** Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN<sub>3</sub>.

### 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.

### 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.

### STORAGE

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

### REFERENCES

1. Knapp, W., B. Dorken, E. P. Rieber, et al., eds. 1989. Leucocyte Typing IV: 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.

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