



Mouse Anti Human CD16 PE

PRODUCT INFORMATION

CLONE: HI16a
ISOTYPE: Mouse IgG1, κ
CATALOG#: A6323/A6333
CONTENTS: R-PE conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN₃ and 1% BSA.

DESCRIPTION

CD16 McAb recognizes a 50-60KD transmembrane molecule, low affinity FC receptor for IgG (FcR_{III}), 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 R-PE under optimum conditions.

USAGE

The R-PE conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store 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 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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