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## **CD16 (HI16a) Antibody**

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251061

**Unit:** 2 ml

**Description:**

The CD16 (HI16a) antibody recognizes a 50-60 kDa transmembrane protein, a low affinity Fc receptor for IgG (FcRIII), which is a NK cell-associated antigen. CD16 antigen is expressed on the large majority of NK cells, granulocytes (eosinophils excepted), monocytes/macrophages and a subset of T cells. CD16 antigen is involved in signal transduction, NK cell activation and antibody-dependent cellular cytotoxicity (ADCC).

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Low affinity immunoglobulin gamma Fc region receptor III; IgG Fc receptor III; Fc-gamma RIII; FcRIII; FcRIII; FcR-10; CD16 antigen; FCGR3; CD16; FCG3; FCGR3; IGFR3

**Accession No.:** P08637, O75015

**Application Notes:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Knapp W., et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York; Barclay NA., et al. Eds 1993. The Leukocyte Antigen Facts Book, CD16 section, Academic Press Inc., San Diego, California, p 136.

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