

Manufacturer/Supplier:

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Product name: Anti-Human CD16 Monoclonal Antibody(APC
Conjugated)

Catalog: DL20204F

Synonyms: Low affinity immunoglobulin gamma Fc region
receptor III-A, FCGR3A, CD16a antigen, Fc-gamma
RIII-alpha, Fc-gamma RIII, Fc-gamma
RIIIa, FcRIII, FcRIIIa, FcR-10, IgG Fc receptor
III-2, CD16a

Background: CD16 is known as low affinity IgG receptor III
(FcγRIII). It is expressed as two distinct forms
(CD16a and CD16b). CD16a (FcγRIIIA) is a 50-65
kD polypeptide-anchored transmembrane protein. It
is expressed on the surface of NK cells, activated
monocytes, macrophages, and placental trophoblasts
in humans. CD16b (FcγRIIIB) is a 48 kD

glycosylphosphatidylinositol (GPI)-anchored protein. Its extracellular domain is over 95% homologous to that of CD16a, and it is expressed specifically on neutrophils. CD16 binds aggregated IgG or IgG-antigen complex which functions in NK cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC).

Form: Liquid

Isotype: Mouse IgG1, κ

Size:

Host: Mouse

20Tests/50Tests/100Tests/200Test

s

Reactivity: Human

Application: FCM

Concentration:

Conjugation: APC

SwissProt: P08637

Buffer: PBS with 0.05% Proclin300, 1% BSA

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million

cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data:

Human peripheral blood cells are stained with Anti-Human CD16 Monoclonal Antibody(APC Conjugated)(filled gray histogram). Unstained peripheral blood cells (blank black histogram) are used as control.

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.