

Manufacturer/Supplier:

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Product name: Anti-Human CD16 Monoclonal Antibody(AF647
Conjugated)

Catalog: DL20211F

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: AF647

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 μ L staining volume or per 100 μ L 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 lymphocytes are stained with Anrti-Human CD16 Monoclonal Antibody(AF647 Conjuaged)(filled gray histogram). Unstained lymphocytes (empty 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.