DEVELOP

Manufacturer/Supplier:

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Product name: Purified Anti-Human CD16 Monoclonal Antibody
Catalog: DL20200F

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: 25μg/100μg

Host: Mouse

Reactivity: Human

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: Unconjugated

SwissProt: P08637

Buffer: PBS with 0.05% Proclin300

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 2.0 μg per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for

each application.

Storage:

Keep as concentrated solution.

Store at 2~8℃. Do not freeze.

This product is guaranteed up to one year from purchase.