Store at 4°C

APC Anti-Human CD16 Antibody

Catalog Number	Vial Size
H20163-11G	25 tests
H20163-11H	100 tests

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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

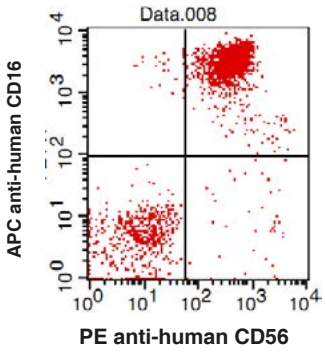
Purified Antibody Characterization

Clone	Isotype	Reactivity
CB16	Mouse IgG1	Human

Description

CD16 is known as low affinity IgG receptor III (Fc γ RIII). It is expressed as two distinct (CD16a and CD16b) forms. CD16a (Fc γ RIIIA) 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 (Fc γ RIIIB) is a 48 kD glycosylphosphatidylinositol (GPI)-anchored protein. It is over 95% homologous to CD16a in extracellular domain and is expressed specifically on neutrophils. CD16 binds aggregated IgG or IgG-antigen complex that functions in NK cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC).

Illustration of Immunofluorescent Staining



Human peripheral blood lymphocytes $CD3^-$ stained with PE anti-human CD56 and APC anti-human CD16

Product Information

Conjugation: APC

Formulation: PBS pH 7.2, 0.09% NaN_3, 0.2% BSA

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: 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 from 20 µL to 5 µL per 100 µL of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Stocks SC, et al. 1990. Biochem. J. 268:275.
[2] Stroncek D, et al. 1991. Blood 77:1572.
[3] Wirthmueller U, et al. 1992. J. Exp. Med. 175:1381.

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