

# PE Mouse Anti-Human CD16

Purified PE-conjugated Recombinant Mouse Monoclonal Antibody

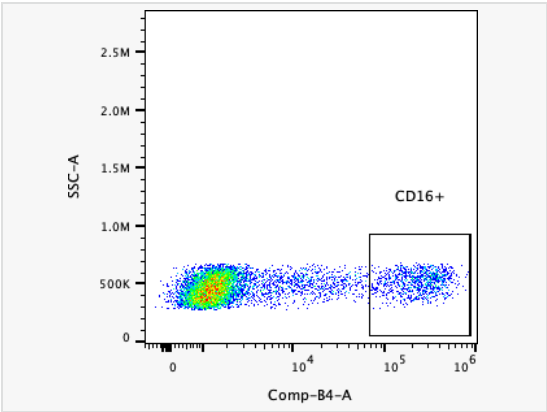
Catalog # F100508

## Product Information

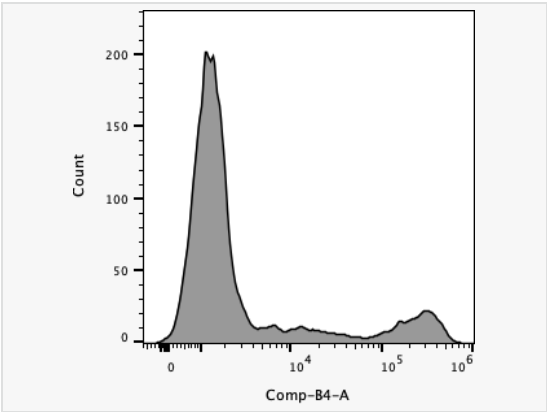
Application	FC
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone No.	52Q46N54
Isotype	IgG
Label	PE
Immunogen	Recombinant protein of human CD16
Format	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Storage	Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze. Stable for 24 months from date of receipt.
Precautions	PE Mouse Anti-Human CD16 [52Q46N54] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

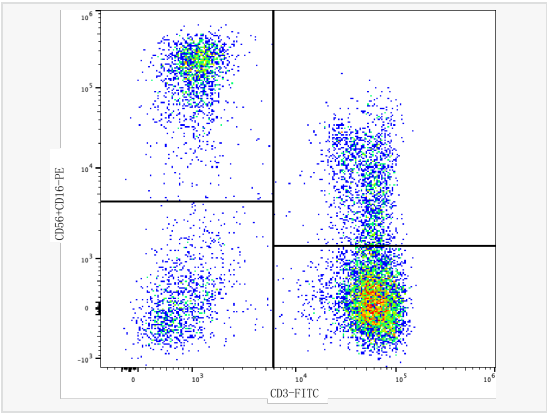
Synonyms	CD 16, CD 16a, CD16, CD16a, CD16a antigen, CD16B, CD16b antigen, Fc fragment of IgG, Fc fragment of IgG low affinity IIIa receptor (CD16), Fc fragment of IgG low affinity IIIa receptor, Fc fragment of IgG receptor IIIa, Fc fragment of IgG, low affinity III, receptor (CD16), Fc fragment of IgG, low affinity IIIa, receptor (CD16), Fc fragment of IgG, low affinity IIIb, receptor (CD16b), Fc gamma R3, Fc gamma receptor III 2 (CD 16), Fc gamma receptor III A, Fc gamma receptor IIIA, Fc gamma receptor IIIb (CD 16), Fc gamma RIII alpha, Fc gamma RIII, Fc gamma RIII beta, Fc gamma RIIIa, Fc gamma RIIIb, Fc of IgG, Fc-gamma receptor III2 (CD 16), Fc-gamma receptor III2 (CD16), Fc-gamma receptor IIIb (CD16), Fc-gamma RIII, Fc-gamma RIII-alpha, Fc-gamma RIIIa, FCG 3, FCG3, FCG3A_HUMAN, FCgammaRIIIA, FCGR 3, FCGR 3A, FCGR3, FCGR3A, FCGR3A protein, FCGRIII, FCGRIII-2, FcR 10, FcR-10, FcR10, FcRIII, FcRIIIa, IGFR 3, IGFR3, IgG Fc receptor III 1, IgG Fc receptor III 2, IgG Fc receptor III-2, IMD20, immunoglobulin G Fc receptor III, immunoglobulin G Fc receptor III-2, Low affinity IIIa receptor, Low affinity immunoglobulin gamma Fc region receptor III A, Low affinity immunoglobulin gamma Fc region receptor III-A, Low affinity immunoglobulin gamma Fc region receptor IIIB, neutrophil-specific antigen NA.
Uniprot ID	P08637
Gene ID	2214
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



Human peripheral blood lymphocytes were stained with PE Mouse Anti-Human CD16 [52Q46N54].



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Human peripheral blood lymphocytes were stained with PE Mouse Anti-Human CD56 [78A97G65], PE Mouse Anti-Human CD16 [52Q46N54] and FITC Mouse Anti-Human CD3 [23L10C36].