PA007332.h1Fs-b: Biotinylated Recombinant Anti-human CD16 Monoclonal Antibody (Clone: 3G8), Human IgG1 Fc Silent Kappa

Catalog No.: PA007332.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD16 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: 3G8)

Recombinant anti-human CD16 monoclonal antibody (Clone 3G8, Biotinylated), engineered with a Human IgG1 Fc-Silent domain to minimize non-specific Fc receptor binding during cell surface analysis. Variable regions are derived from the classic mouse anti-human CD16 clone 3G8 and recombinantly expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007332.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD16 Monoclonal Antibody (Clone: 3G8), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	3G8
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated recombinant anti-human CD16 monoclonal antibody (clone: 3G8) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant 3G8 antibody specifically binds to human and non-human primate CD16.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Form Of Antibody	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives.
Conjugate	Biotin-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The 3G8 antibody is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

BACKGROUND & APPLICATION INFORMATION

Recombinant human IgG1 monoclonal antibody with site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

The recombinant 3G8 antibody binds to human and non-human primate CD16 or FcγRIII, a cluster of differentiation molecule found on the surface of natural killer cells, neutrophils, monocytes, macrophages, and certain T cells. CD16 consists of Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b). The most well-researched membrane receptor implicated in triggering lysis by NK cells, CD16 is a molecule of the immunoglobulin superfamily (IgSF) involved in antibody-dependent cellular cytotoxicity (ADCC).