PA007761.h1Fs-b: Biotinylated Recombinant Anti-human CD64 Monoclonal Antibody (Clone: H22), Human IgG1 Fc Silent Kappa

Catalog No.: PA007761.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD64 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: H22)

Biotinylated recombinant anti-human CD64 monoclonal antibody (Clone H22), engineered with a Human IgG1 Fc-silent domain to minimize non-specific background binding to Fc receptors during cell analysis. Features site-directed biotinylation via a C-terminal Avi tag on the heavy chain, with variable regions derived from the classic anti-human CD64 clone (H22) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007761.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD64 Monoclonal Antibody (Clone: H22), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	H22
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human CD64 monoclonal antibody (clone: H22) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant H22 antibody specifically binds to human CD64.
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	Shipped with ice pack. Store at -20 to -70°C (12 months) or 2 to 8°C (1 month). Avoid repeated freeze-thaw cycles.

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 H22 monoclonal antibody targets human CD64 (FcγRI), expressed on monocytes, macrophages, and neutrophils. Recombinantly engineered with an Fc-silent Human IgG1 domain and site-directed C-terminal Avi-tag biotinylation, this format completely eliminates non-specific background while enabling high-sensitivity detection and cell isolation via streptavidin conjugates, magnetic beads, or functional assays.