PA007760.h1Fs-b: Biotinylated Recombinant Anti-human CD47 Monoclonal Antibody (Clone: B6H12), Human IgG1 Fc Silent Kappa

Catalog No.: PA007760.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD47 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: B6H12)

Recombinant human anti-human CD47 monoclonal antibody (Clone B6H12), engineered with a Human IgG1 (Fc-Silent) domain to eliminate non-specific Fc receptor interactions during flow cytometry and cell surface staining assays. Variable regions are derived from the classic mouse anti-human CD47 clone (B6H12) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007760.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD47 Monoclonal Antibody (Clone: B6H12), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	B6H12
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human CD47 monoclonal antibody (clone: B6H12) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant B6H12 antibody specifically binds to human CD47.
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 B6H12 monoclonal antibody targets human CD47 (Integrin-Associated Protein, IAP), a key immune checkpoint protein that sends a "don't eat me" signal to macrophages. Recombinantly engineered with a Human IgG1 Fc-Silent domain and site-directed Avi-tag biotinylation, this format completely abolishes non-specific Fc receptor binding while delivering maximum sensitivity in multi-color flow cytometry panels, cell surface staining, functional assays, and streptavidin-mediated bead separation systems.