PA007766.h1Fs-b: Biotinylated Recombinant Anti-human HLA-ABC Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: W6/32)

Catalog No.: PA007766.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human HLA-ABC Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: W6/32)

Recombinant anti-human HLA-ABC monoclonal antibody (Clone W6/32), engineered with a Human IgG1 (Fc-Silent) domain and conjugated to Biotin. Variable regions are derived from the classic mouse anti-human HLA-ABC clone (W6/32) and recombinantly expressed in mammalian cells to minimize non-specific Fc-receptor binding during flow cytometry analysis.

PRODUCT SPECIFICATIONS

Catalog No.	PA007766.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human HLA-ABC Monoclonal Antibody (Clone: W6/32), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	W6/32.
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human HLA-ABC monoclonal antibody (clone: W6/32) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant W6/32 antibody specifically binds to human HLA-ABC.
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 W6/32 monoclonal antibody specifically recognizes a monomorphic epitope present on all human HLA Class I molecules (HLA-A, HLA-B, HLA-C). Engineered with a Human IgG1 Fc-Silent domain and site-directed biotinylation, this format minimizes non-specific Fc-receptor interaction while providing high sensitivity for multi-color flow cytometry panels, cell surface staining, functional assays, and secondary detection using streptavidin conjugates or magnetic beads.