PA007767.h1Fs-b: Biotinylated Recombinant Anti-human HLA-DR/DP/DQ Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: F3.3)

Catalog No.: PA007767.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human HLA-DR/DP/DQ Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: F3.3)

Recombinant human anti-human HLA-DR/DP/DQ monoclonal antibody (Clone F3.3), engineered with a Human IgG1 Fc-Silent domain and conjugated with biotin for high-sensitivity flow cytometry applications. Variable regions are derived from the mouse anti-human HLA class II clone (F3.3) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

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Product Name	Biotinylated Recombinant Anti-human HLA-DR/DP/DQ Monoclonal Antibody (Clone: F3.3), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	F3.3.
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human HLA-DR/DP/DQ monoclonal antibody (clone: F3.3) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant F3.3 antibody specifically binds to human HLA-DR/DP/DQ.
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 F3.3 monoclonal antibody recognizes a conserved epitope shared across human HLA-DR, HLA-DP, and HLA-DQ Class II molecules. Recombinantly engineered with a Human IgG1 Fc-Silent domain and site-directed biotinylation, this antibody eliminates non-specific Fc receptor binding while enabling versatile secondary detection with streptavidin-fluorophore conjugates or streptavidin magnetic/agarose beads in high-sensitivity flow cytometry, cell surface staining, and binding assays.