PA007763.h1Fs-b: Biotinylated Recombinant Anti-Human HLA Class I Heavy Chain Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: HC10)

Catalog No.: PA007763.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-Human HLA Class I Heavy Chain Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: HC10)

Recombinant anti-human HLA Class I Heavy Chain monoclonal antibody (Clone HC10), engineered with a Human IgG1 (Fc-Silent) domain and conjugated to Biotin. Variable regions are derived from the classic mouse anti-human HLA class I heavy chain clone (HC10) and recombinantly expressed in mammalian cells to minimize non-specific Fc-receptor binding during flow cytometry analysis.

PRODUCT SPECIFICATIONS

Catalog No.	PA007763.h1Fs-b
Product Name	Biotinylated Recombinant Anti-Human HLA Class I Heavy Chain Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: HC10)
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	HC10.
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human HLA Class I Heavy Chain monoclonal antibody (clone: HC10) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant HC10 antibody specifically binds to human HLA Class I Heavy Chain.
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 HC10 monoclonal antibody specifically recognizes human HLA Class I heavy chains. Engineered with a Human IgG1 Fc-Silent domain to minimize non-specific Fc receptor binding, this site-directed biotinylated format provides precise detection with reduced background noise in flow cytometry and secondary streptavidin-mediated detection assays.