PA007762.h1Fs-b: Biotinylated Recombinant Anti-human CD8a Monoclonal Antibody (Clone: OKT8), Human IgG1 Fc Silent Kappa

Catalog No.: PA007762.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD8a Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: OKT8)

Biotinylated recombinant anti-human CD8a monoclonal antibody (Clone OKT8), 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 CD8a clone (OKT8) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

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Product Name	Biotinylated Recombinant Anti-human CD8a Monoclonal Antibody (Clone: OKT8), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	OKT8
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human CD8a monoclonal antibody (clone: OKT8) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant OKT8 antibody specifically binds to human CD8a.
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 OKT8 monoclonal antibody recognizes human CD8a, a co-receptor for the T-cell receptor (TCR) expressed primarily on cytotoxic T cells. Recombinantly engineered with an Fc-silent Human IgG1 domain and site-directed C-terminal Avi-tag biotinylation, this format provides absolute abolition of Fc receptor binding while enabling high-sensitivity detection via streptavidin conjugates and robust streptavidin bead-based cell isolation.