# PA007754.h1Fs-b: Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody (Clone: OKT4), Human IgG1 Fc Silent Kappa

**Catalog No.:** PA007754.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: OKT4)

Biotinylated recombinant anti-human CD4 monoclonal antibody (Clone OKT4), 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 anti-human CD4 clone (OKT4) and expressed in mammalian cells.

## PRODUCT SPECIFICATIONS

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| **Catalog No.** | PA007754.h1Fs-b |
| **Product Name** | Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody (Clone: OKT4), Human IgG1 Fc Silent Kappa |
| **Supplier Name** | Syd Labs, Inc. |
| **Brand Name** | Syd Labs |
| **Clone** | OKT4 |
| **Isotype** | Human IgG1 Fc Silent Kappa. |
| **Source/Host** | The site-directed biotinylated anti-human CD4 monoclonal antibody (clone: OKT4) was produced in mammalian cells. |
| **Specificity/Sensitivity** | The site-directed biotinylated recombinant OKT4 antibody specifically binds to human CD4. |
| **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 recombinant OKT4 antibody binds to the human CD4 protein (cluster of differentiation 4), a glycoprotein and the co-receptor for the T-cell receptor (TCR). The CD4 protein is expressed on the surface of immune cells such as helper T cells, monocytes, macrophages, and dendritic cells.