PA007758.h1Fs-b: Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody (Clone: 13B8.2), Human IgG1 Fc Silent Kappa

Catalog No.: PA007758.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: 13B8.2)

Biotinylated recombinant anti-human CD4 monoclonal antibody (Clone 13B8.2), 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 (13B8.2) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007758.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD4 Monoclonal Antibody (Clone: 13B8.2), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	13B8.2
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human CD4 monoclonal antibody (clone: 13B8.2) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant 13B8.2 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 13B8.2 antibody binds to the human CD4 protein (cluster of differentiation 4), a glycoprotein and co-receptor for the T-cell receptor (TCR) expressed on helper T cells, monocytes, macrophages, and dendritic cells. Combining a Human IgG1 Fc-Silent domain with site-directed C-terminal Avi-tag biotinylation, this antibody variant eliminates non-specific Fc receptor interactions while maximizing detection sensitivity across flow cytometry panels and streptavidin-mediated cell isolation applications.