PA007753.h1Fs-b: Biotinylated Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6), Human IgG1 Fc Silent Kappa

Catalog No.: PA007753.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD3e Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: 12F6)

Biotinylated recombinant anti-human CD3e monoclonal antibody (Clone 12F6), 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 CD3e clone (12F6) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007753.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	12F6
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated recombinant anti-human CD3e monoclonal antibody (clone: 12F6) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant 12F6 antibody specifically binds to human CD3e.
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 12F6 antibody competes with the OKT3 antibody for binding to human T cells, and has more effective T-cell suppression and activation properties than OKT3. The 12F6 antibody is used to study T-cell functions and to manipulate T-cell activation and suppression, prevent acute allograft rejection, and treat autoimmune diabetes.