Biotinylated Anti-Human CD3 Antibody (SK7, Human IgG1 Fc Silent Kappa) | PA007972.h1Fs-b

Catalog No.: PA007972.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD3 Monoclonal Antibody (Clone: SK7), Human IgG1 Fc Silent Kappa | **Biotin-Conjugated / Recombinant Monoclonal Antibody**

Recombinant anti-human CD3 monoclonal antibody (Clone SK7), engineered for high-specificity flow cytometry and T cell surface staining. Variable regions are derived from the classic anti-human CD3 clone (SK7) and expressed in mammalian cells for high purity and batch-to-batch consistency.

PRODUCT SPECIFICATIONS

Catalog No.	PA007972.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD3 Monoclonal Antibody (Clone: SK7), Human IgG1 Fc Silent Kappa
Supplier / Brand	Syd Labs, Inc. / Syd Labs
Clone	SK7
Isotype	Human IgG1 Fc Silent Kappa
Source / Host	The site-directed biotinylated anti-human CD3 monoclonal antibody (clone: SK7) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant SK7 antibody specifically binds to human CD3.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Conjugate	Biotin-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The SK7 antibody is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.
Note	Recombinant mouse IgG1 isotype controls and Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

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.

CD3 is a key component of the T cell receptor complex involved in signal transduction. The SK7 clone specifically targets the human CD3 epsilon chain for T cell identification and immune profiling.

This biotinylated version enables flexible downstream detection using various streptavidin-fluorophore conjugates, streptavidin-coated magnetic beads, or solid-phase assays with high affinity and minimal background interference due to the engineered silent Fc domain.

Order & Contact Information

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Offline Order: With formal purchase order (PO) or credit card