Biotinylated Anti-human Integrin beta7 Antibody (FIB21, Human IgG1 Fc Silent Kappa) | PA007787.h1Fs-b

Catalog No.: PA007787.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human Integrin beta7 Monoclonal Antibody (Clone: FIB21), Human IgG1 Fc Silent Kappa | **Biotin-Conjugated / Recombinant Monoclonal Antibody**

Recombinant anti-human integrin beta 7 monoclonal antibody, specifically designed for sensitive flow cytometric analysis and characterization of human integrin β7 expression on leukocytes and lymphocyte subsets. Expressed in mammalian cells to ensure high lot-to-lot reproducibility and superior binding specificity.

PRODUCT SPECIFICATIONS

Catalog No.	PA007787.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human Integrin beta7 Monoclonal Antibody (Clone: FIB21), Human IgG1 Fc Silent Kappa
Supplier / Brand	Syd Labs, Inc. / Syd Labs
Clone	FIB21
Isotype	Human IgG1 Fc Silent Kappa
Source / Host	The site-directed biotinylated anti-human Integrin beta7 monoclonal antibody (clone: FIB21) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant FIB21 antibody specifically binds to human Integrin beta7.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads. (Cell Surface Staining, Immunophenotyping)
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 and HPLC.
Shipping	The recombinant anti-human Integrin beta7 monoclonal antibody of clone FIB21 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 rat IgG2a 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

PA007787.h1Fs-b: Biotinylated Recombinant Anti-human Integrin beta7 Monoclonal Antibody (Clone: FIB21), Human IgG1 Fc Silent Kappa

Recombinant human IgG1 Monoclonal Antibody with site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

Integrin beta7 (ITGB7) is a crucial cell-surface adhesion molecule involved in lymphocyte mucosal homing. Site-directed biotinylation via the C-terminal Avi tag ensures uniform orientation and optimal antigen binding capability when used with streptavidin-fluorophore conjugates or streptavidin-coated magnetic beads.

Order & Contact Information

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