

Integrin beta 7 Monoclonal Antibody (FIB504), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	FIB504
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1963614

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	7 Publications

Product Specific Information

Description: The FIB504 monoclonal antibody reacts with human and mouse integrin beta 7. Integrin beta 7 is a 130 kD glycoprotein which associates with integrin alpha 4 (CD49d) to form the alpha 4 beta 7 integrin LPAM-1, expressed on intraepithelial lymphocytes. It also associates with alpha E (CD103) to form the alpha E beta 7 integrin HML-1, expressed on T cells adjacent to mucosal epithelium and intraepithelial lymphocytes. Main ligands for integrin alpha 4 beta 7 include VCAM-1 (CD106), MAdCAM-1 and fibronectin, while the main ligand of integrin alpha E beta 7 is E-cadherin (CD324). Integrin beta 7 plays an important role in the adhesion of leukocytes to endothelial cells promoting the transmigration of leukocytes to extravascular spaces during the inflammatory response. The FIB504 antibody has been reported to have blocking activity.^M^M

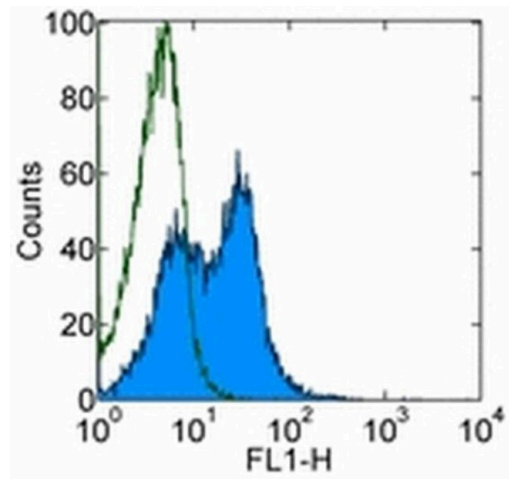
Applications Reported: This FIB504 antibody has been reported for use in flow cytometric analysis.^M^M

Applications Tested: This FIB504 antibody has been tested by flow cytometric analysis of human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.^M^M

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.^M^M

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Integrin beta 7 Monoclonal Antibody (FIB504), FITC, eBioscience™



Integrin beta 7 Antibody (11-5867-42) in Flow
Staining of normal human peripheral blood cells with Rat IgG2a K Isotype Control FITC (Product # 11-4321-42) (open histogram) or Anti-Human/Mouse Integrin beta 7 FITC (filled histogram). Cells in the lymphocyte gate were used for analysis.

7 References

Flow Cytometry (7)

iScience	Year 2023
Multimodal cartography of human lymphopoiesis reveals B and T/NK /ILC lineages are subjected to differential regulation. "Published figure using Integrin beta 7 monoclonal antibody (Product # 11-5867-42) in Flow Cytometry" Authors: Alhaj Hussien K,Chabaane E,Nelson E,Lekiashvili S,Diop S,Keita S,Evrard B,Lardenois A,Delord M,Verhoeven E,Cornils K,Kasraian Z,Macintyre EA,Cumano A,Garrick D,Goodhardt M,Andrieu GP,Asnafi V,Chalmel F,Canque B	
Cell death & disease	Year 2020
A Cdh1-FoxM1-Apc axis controls muscle development and regeneration. "11-5867-42 was used in Flow Cytometry to demonstrate that the Cdh1-FoxM1-Apc axis functions as a key regulator of muscle development and regeneration." Authors: Chen Z,Li L,Xu S,Liu Z,Zhou C,Li Z,Liu Y,Wu W,Huang Y,Kuang M,Fan S,Li H,Li X,Song G,Wu WS,Chen J, Hou Y	Species Mouse

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