

Human Integrin α4β7/LPAM-1 (Research Grade Vedolizumab Biosimilar) Antibody

Recombinant Monoclonal Human IgG₁ Clone # Hu117 Catalog Number: MAB10078

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Integrin α4β7/LPAM-1 in direct ELISAs. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Vedolizumab. This product is for research use only.	
Source	Recombinant Monoclonal Human IgG ₁ Clone # Hu117	
Purification	Protein A or G purified from cell culture supernatant	
Immunogen	Human Integrin α4β7/LPAM-1	
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.	
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.	

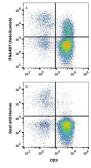
APPLICATION:

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample	
Flow Cytometry	0.25 μg/10 ⁶ cells	See Below	
CyTOF-ready	Ready to be labeled u with conjugation.	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA





Detection of Integrin $\alpha 4\beta 7/LPAM-1$ in Human PBMC by Flow Cytometry. Human PBMC were stained with (A) Human Anti-Human Integrin $\alpha 4\beta 7/LPAM-1$ (Research Grade Vedolizumab Biosimilar) Monoclonal Antibody (Catalog # MAB10078) or (B) no primary antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody (Catalog # F0135) and Mouse anti-Human CD3 PE-conjugated Monoclonal Antibody (Catalog # FAB100P). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Vedolizumab is a biosimilar that binds and blocks binds to integrin $\alpha 4\beta 7$. This product can be used in flow cytometry or various assay formats to block or measure integrin $\alpha 4\beta 7$.

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