

Datasheet for ABIN2660450

anti-Integrin beta 7 antibody (PerCP-Cy5.5)



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1 Image

Overview

Quantity:	100 µg
Target:	Integrin beta 7 (ITGB7)
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Integrin beta 7 antibody is conjugated to PerCP-Cy5.5
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	FIB27
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Target Details

Target:	Integrin beta 7 (ITGB7)
Alternative Name:	Integrin Beta7 (ITGB7 Products)
Background:	Integrin β7 is a 130 kD glycoprotein, also known as integrin βp. It is a member of the Ig superfamily. In association with integrin α4 or αE chain, β7 forms α4/β7 or αE/β7 heterodimer. α4/β7 (CD49d/β7, LPAM-1) is expressed on majority of peripheral lymphocytes, small subsets

Target Details

of thymocytes and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1, MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion, some hematopoietic progenitor cells migration. $\alpha E/\beta 7$ (CD103/ $\beta 7$, $\alpha EL/\beta 7$) is expressed on intestinal intraepithelial lymphocytes (IEL), dendritic epidermal T cells, T regulatory cells, a subset of CD8+ T cells in lymph nodes and lamina propria. CD103/ $\beta 7$ complex is thought to play a role in lymphocyte retention via interaction with its ligand E-Cadherin. The FIB27 antibody has been reported to react with mouse and human $\beta 7$ integrin and to block $\beta 7$ integrin-mediated cell adhesion in in vitro and in vivo studies.

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.2 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

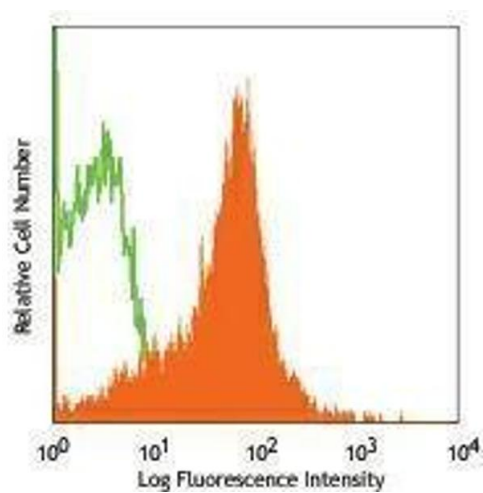
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.