

Datasheet for ABIN2661953
anti-Integrin beta 7 antibody (FITC)



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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 FITC
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

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

Target Details

Target:	Integrin beta 7 (ITGB7)
Alternative Name:	Integrin Beta7 (ITGB7 Products)
Background:	Integrin $\beta 7$ is a 130 kD glycoprotein, also known as integrin βp . It is a member of the Ig superfamily. In association with integrin $\alpha 4$ or αE chain, $\beta 7$ forms $\alpha 4/\beta 7$ or $\alpha E/\beta 7$ heterodimer. $\alpha 4/\beta 7$ (CD49d/ $\beta 7$, LPAM-1) is expressed on majority of peripheral lymphocytes, small subsets of thymocytes and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1,

Target Details

MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion, some hematopoietic progenitor cells migration. $\alpha E/\beta 7$ (CD103/ $\beta 7$, $\alpha IEL/\beta 7$) 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: 0.5 mg/mL

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

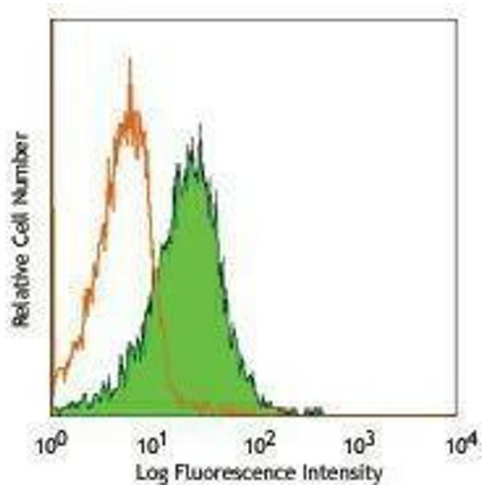
Preservative: Sodium azide

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.