

Datasheet for ABIN2661955
anti-Integrin beta 7 antibody (FITC)



[Go to Product page](#)

Overview

Quantity:	50 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), Blocking Reagent (BR), Cytometry by Time of Flight (CyTOF)

Product Details

Clone:	FIB504
Isotype:	IgG2a kappa
Cross-Reactivity:	Chimpanzee, Baboon, Cynomolgus, Rhesus Monkey
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 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.

Target Details

$\alpha 4/\beta 7$ (CD49d/ $\beta 7$, LPAM-1) is expressed on the majority of peripheral lymphocytes, on small subsets of thymocytes, and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1, MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion and some hematopoietic progenitor cells migration. $\alpha E/\beta 7$ (CD103/ $\beta 7$, α 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.

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.