

Datasheet for ABIN7072356

Recombinant anti-Integrin beta 7 antibody



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Overview

Quantity:	200 µg
Target:	Integrin beta 7 (ITGB7)
Reactivity:	Human, Mouse
Host:	Rat
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Integrin beta 7 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Blocking Reagent (BR)

Product Details

Purpose:	Anti-Integrin beta-7 [FIB27], Rat IgG2a, kappa
Immunogen:	FIB27 was prepared by immunizing rats with TK1 cells.
Clone:	FIB27
Isotype:	IgG2a kappa
Specificity:	FIB27 binds specifically to both human and mouse integrin beta-7 at epitope region DI on which is involved in all a4b7-mediated adhesion events. Does not compete with DAKT32 for binding. FIB27 blocks LS722-induced TK1 cell aggregation (mAb LS722 is an activating anti-a4B7 antibody and induces aggregation via an a4B7-dependent pathway). Integrin beta-7 is one subunit is a heterodimer which makes up an intergin molecule. In the mouse beta-7 is selectively found on the majority of mature lymphocytes, whereas a small subpopulation of thymocytes and bone marrow cells express beta-7. Beta-7 is also expressed in variable

Product Details

	amounts in CD4 T memory cells. Integrin molecules mediate cell-cell and cell-extracellular matrix adhesion and are involved in lymphocyte homing, leukocyte recruitment to inflammatory sites, myogenesis, hemopoiesis, and melanoma metastasis.
Cross-Reactivity:	Mouse
Characteristics:	Original Species of Ab: Rat Original Format of Ab: IgG2a
Purification:	Protein A affinity purified

Target Details

Target:	Integrin beta 7 (ITGB7)
Alternative Name:	Integrin beta-7 (ITGB7 Products)
Background:	FIB-27, FIB 27, Fib-27, Fib27, Fib 27, fib27, fib-27, fib 27, Integrin b7, integrin b-7, ITGB7, Gut homing receptor beta subunit
Pathways:	Integrin Complex

Application Details

Application Notes:	FIB27 can be used for FC, IP and can block TKI cell aggregation and beta-7 intergrin-mediated cell adhesion.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.