

Product datasheet for **TA386027**

Integrin beta 7 (ITGB7) Rat Monoclonal Antibody [Clone ID: FIB27]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FIB27
Applications:	BI, FC, IP
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	FIB27 was prepared by immunizing rats with TK1 cells.
Specificity:	<p>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 intergrin 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 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.</p> <p>FIB27 can be used for FC, IP and can block TKI cell aggregation and beta-7 intergrin-mediated cell adhesion.</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	integrin subunit beta 7



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Database Link: [Entrez Gene 3695 Human P26010](#)

Synonyms: ITGB7