Anti-Integrin beta-7 [FIB27] Standard Size Ab00627-7.1

Isotype and Format: Rat IgG2a, Kappa
Clone Number: FIB27
Alternative Name(s) of Target: 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
UniProt Accession Number of Target Protein: P26010 (human); P26011 (mice)
Published Application(s): IP, Block, FC
Published Species Reactivity: Human, Mouse
Immunogen: FIB27 was prepared by immunizing rats with TK1 cells.
Specificity: FIB27 binds specifically to both human and mouse integrin beta-7 at epitope region Dl 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 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.
Application Notes: FIB27 can be used for FC, IP and can block TKI cell aggregation and beta-7 intergrin-mediated cell adhesion.
Antibody First Published in: Andrew DP, et al. Distinct but overlapping epitopes are involved in alpha 4 beta 7-mediated adhesion to vascular cell adhesion molecule-1, mucosal addressin-1, fibronectin, and lymphocyte aggregation. J. Immunol. 153:3847 1994 PMID:7523506
Note on publication: Describes the use of FIB27 in defining functional binding regions of alpha-4/beta-7 integrin by epitope mapping.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

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20ºC.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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