

Anti-Integrin beta-7 [FIB504] Bulk Size Ab00626-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: FIB504

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: P26011

Published Application(s): Block, FC, IF

Published Species Reactivity: Human, Mouse

Immunogen: FIB504 was prepared by immunizing rats with TK1 cells.

Specificity: FIB504 recognizes an epitope on integrin beta-7 subunit that overlaps completely with the epitope defined by Fib27 and Fib30, and also partially with the epitope defined by FIB21 and FIB22. 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: FIB504 can be used for IF, FC and can block TKI cell aggregation and beta-7 integrin-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 FIB504 in defining functional binding regions of alpha-4/beta-7 integrin by epitope mapping.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

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.