

Anti-Integrin beta-7 [FIB27] Bulk size

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Description: Recombinant monoclonal antibody to Integrin beta-7. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma FIB27. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), kappa

Clone Number: FIB27

UniProt Accession Number of Target Protein:

Published Application(s): FC; IP; block

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 D1 on which is involved in all $\alpha 4\beta 7$ -mediated adhesion events. Does not compete with DAKT32 for binding. FIB27 blocks LS722-induced TK1 cell aggregation (mAb LS722 is an activating anti- $\alpha 4\beta 7$ antibody and induces aggregation via an $\alpha 4\beta 7$ -dependent pathway). Integrin beta-7 is one subunit is a heterodimer which makes up an integrin 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.

Antibody First Published in:

Andrew DP, et al. 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

This is a Bulk size product. 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: See vial label

Product Code: Ab00627-2.3-BT

Mouse IgG2a

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