

Integrin beta-7 Recombinant Antibody | ITGB7 recombinant antibody

Anti-Integrin beta-7 [FIB504]

CATALOG # AAA72037	REACTIVITY Human, Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence
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PRODUCT SYNONYMS

Integrin beta-7; Monoclonal Recombinant Antibody; Anti-Integrin beta-7 [FIB504]; FIB-27; FIB 27; Fib-27; Fib27; Fib 27; fib27; fib-27; fib 27; Integrin b7; integrin b-7; Gut homing receptor beta subunit; FIB504; ITGB7 recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	FIB504
Specificity	FIB504 recognizes an epitope on intergin 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.
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Sequence Length	806
Applicable Applications for ITGB7 recombinant antibody	Blocking, FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Immunogen	FIB504 was prepared by immunizing rats with TK1 cells.
Chimeric Use Statement	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.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

ADDITIONAL INFORMATION

Product Categories/Family for ITGB7 recombinant antibody	Cell Adhesion; Signal Transduction; Lymphoid Cells; Immunology; Adaptive Immunity
References	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 Original Published Journal: J. Immunol. 153:3847 1994 Original Published Journal: J. Immunol. 153:3847 1994 Publication Note: Describes the use of FIB504 in defining functional binding regions of alpha-4/beta-7 integrin by epitope mapping.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160708008
NCBI GeneID	16421
NCBI Accession #	NP_038594.2
NCBI GenBank Nucleotide #	NP_038594.2
UniProt Accession #	P26011
NCBI Official Full Name	integrin beta-7
NCBI Official Synonym Full Names	integrin beta 7
NCBI Official Symbol	Itgb7
NCBI Official Synonym Symbols	Ly69
NCBI Protein Information	integrin beta-7
UniProt Protein Name	Integrin beta-7
UniProt Gene Name	Itgb7
UniProt Entry Name	ITB7_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/integrin-beta-7-recombinant-antibody-clone-fib504-flow-cytometry-immunofluorescence-elisa/72037>