

LE/AF Purified Anti-Mouse Integrin β 7 Monoclonal Antibody



天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100I13-14B	50 μ g
M100I13-14E	500 μ g
M100I13-14F	1 mg

Market | 400-621-0003
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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
Fib504	Rat IgG2a	Mouse

Description

Integrin β 7 is a 130 kD glycoprotein also known as integrin β p. It is a member of the Ig superfamily. In association with integrin α 4 or α E chain, β 7 forms α 4/ β 7 or α E/ β 7 heterodimer. α 4/ β 7 (CD49d/ β 7, LPAM-1) is expressed on the majority of peripheral lymphocytes, on small subsets of thymocytes, and bone marrow progenitors. LPAM-1 binds to several ligands, VCAM-1, MAdCAM-1 and fibronectin, and is involved in lymphocyte adhesion and some hematopoietic progenitor cells migration. α E/ β 7 (CD103/ β 7, α IEL/ β 7) is expressed on intestinal intraepithelial lymphocytes (IEL), dendritic epidermal T cells, T regulatory cells, a subset of CD8+ T cells in lymph nodes and lamina propria. CD103/ β 7 complex is thought to play a role in lymphocyte retention via interaction with its ligand E-Cadherin.

Reported Applications

This Fib504 antibody has been reported for use in flow cytometric staining and blocking β 7 integrin-mediated cell adhesion in in vitro and in vivo studies.

Product Information

Production Method: Stirred tank fermentation

Medium: Hybridoma-SFM + 1%FCS + Glu + P/S

Purification Method: Protein G

Concentration: 1 mg/ml

Endotoxin: < 2.00 EU/mg (LAL)

Purity: >95% (by SDS-PAGE)

Sterile: 0.2 μ m Filtration

Formulated: PBS, pH7.2

Storage: Keep as concentrated solution. Store at 4°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or lower. Avoid cycles of freezing and thawing.

For Research Use Only.