Store at 4°C

PE Anti-Mouse Integrin β7 Monoclonal Antibody

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精准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M100I13-09B	50 µg
M100I13-09D	200 µg

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

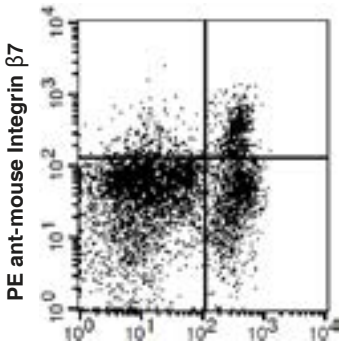
Purified Antibody Characterization

Clone	Isotype	Reactivity
Fib504	Rat IgG2a	Mouse

Description

Integrin beta 7 is a 130 kD glycoprotein which associates with integrin alpha 4 (CD49d) to form the alpha 4 beta 7 integrin LPAM-1, expressed on intraepithelial lymphocytes. It also associates with alpha E (CD103) to form the alpha E beta 7 integrin HML-1, expressed on T cells adjacent to mucosal epithelium and intraepithelial lymphocytes. Main ligands for integrin alpha 4 beta 7 include VCAM-1 (CD106), MAdCAM-1 and fibronectin, while the main ligand of integrin alpha E beta 7 is E-cadherin (CD324). Integrin beta 7 plays an important role in the adhesion of leukocytes to endothelial cells promoting the transmigration of leukocytes to extravascular spaces during the inflammatory response.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with PE anti-mouse Integrin β7 and FITC anti-mouse CD3

Product Information

Conjugation: PE

Formulation: PBS pH 7.2, 0.09% NaN_3, 0.2% BSA

Concentration: 0.2 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used ≤ 0.25 µg /10^6 cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Andrew DP, et al. 1994. J. Immunol. 153:3847.
[2] Picarella D, et al. 1997. J. Immunol. 158:2099.
[3] Lefrancois L, et al. 1994. Eur. J. Immunol. 24:635
[4] Cepek KL, et al. 1994. Nautre 372:190.

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