

Anti mouse FR4(Folate Receptor 4) Antibody, Treg-marker Unlabeled

Cat#: REC-RCAB012M-F Quantity: 100 μ L

【Background】

Regulatory T cells are important for immune tolerance and perform adverse immunoreaction, compared with activated T cells. The discrimination between the regulatory T cells and the activated T cells is very important for immunology research. Although Foxp3 is well-known as an intracellular marker of regulatory T cell, it is inevitable that the regulatory T cell cannot be maintained alive after the reaction with Foxp3.

Folate receptor 4 is newly found to be a highly expressed surface marker of the regulatory T cells. The anti mouse-regulatory T cell antibody can react specifically with the surface marker. When the antibody is used for regulatory T cells instead of Foxp3, the cell can be sorted alive to investigate the functions.

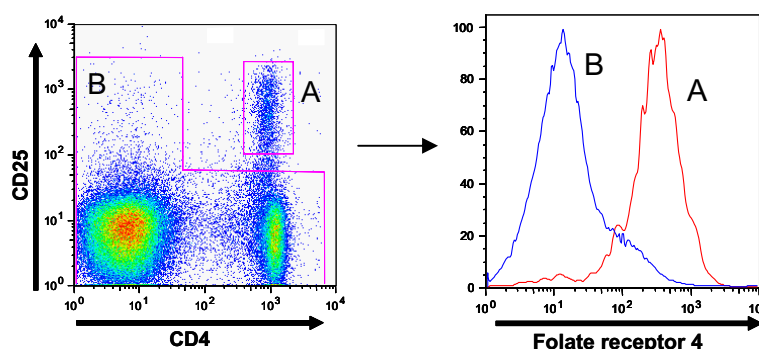
【Product information】

Host	Rat	Application notes	Immunoprecipitation	1/500
Specificity	mouse		FCM	1/500
Clone name	TH6			
Concentration	1mg/mL			
Application	Immunoprecipitation FCM			
Storage Buffer	PBS(incl.0.001% sodium azide)			
Storage instructions	4°C			

【 Application 】

Flow Cytometry Analysis

Detection of cell membrane mouse folate receptor 4(TH6) in spleen of mouse. Cells were stained by using PE-conjugated anti-mouse CD25, APC-conjugated anti-mouse CD4 mouse, and the folate receptor4 antibody & anti-rat IgG FITC conjugated. Flow cytometry was performed on a FACS Vantage SE™.



【 Reference 】

T Ymaguchi, K Hirota et al.: Control of Immune Responses by Antigen-Specific Regulatory T Cells Expressing the Folate Receptor. *Immunity* 27, 1-5, July 2007

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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp> e-mail: export@cosmobio.co.jp

[Outside Japan]

[国内連絡先]

Phone : +81-3-5632-9617

Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619