

Biotin anti-mouse FR4 (Folate Receptor 4)

Catalog # / Size: 125004 / 200 µg

Clone: 12A5

Isotype: Rat IgG2b, κ

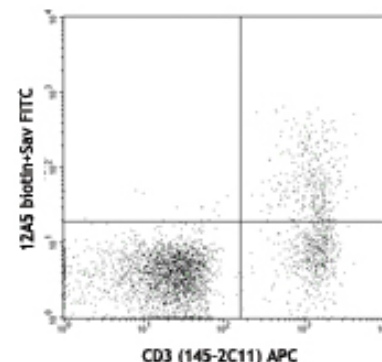
Reactivity: Mouse Folate Receptor 4

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



BALB/c mouse splenocytes stained with CD3 (145-2C11) APC and biotinylated 12A5, followed by Sav-FITC

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 µg per 10⁶ cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: This biotinylated 12A5 antibody works well in conjunction with Streptavidin-FITC used as a secondary step reagent in immunofluorescent staining with flow cytometric analysis or cell sorting.

Application References: 1. Yamaguchi T *et al.* 1007: *Immunity* 27(1)145

Description: Folate receptor 4 (FR4) is a surface receptor for folic acid (Vitamin B9). It was recently reported that FR4 is highly and constitutively expressed on mouse CD4⁺ CD25⁺ natural regulatory T cells (Treg). The high expression of this surface marker on Treg can be used in combination with CD4 and CD25 to distinguish Treg from other types of T cells. Since FR4 is a surface marker, this antibody may be used in combination with anti-CD4 and/or CD25 to sort living T reg cells for functional studies.

Antigen References: 1. Yamaguchi T *et al.* 2007. *Immunity* 27:145
2. Spiegelstein O *et al.* 2000 *Gene* 258:117

Related Products:

Product
Biotin Rat IgG2b, κ Isotype Ctrl

Clone
RTK4530

Application
FC, ICFC



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