

PE/Dazzle™ 594 anti-mouse FR4 (Folate Receptor 4)

Catalog # / Size: 1225080 / 100 µg
1225075 / 25 µg

Clone: 12A5

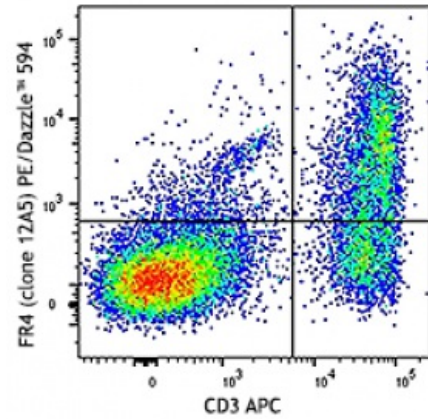
Isotype: Rat IgG2b, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

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

Concentration: 0.2 mg/ml

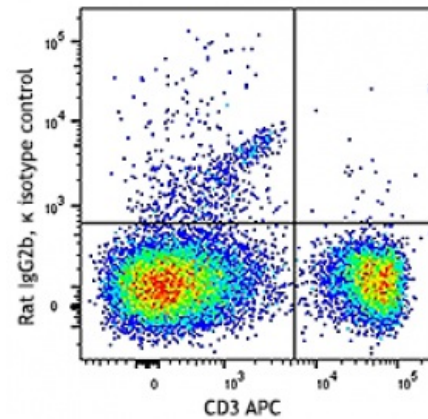


C57BL/6 mouse splenocytes were stained with CD3 APC and FR4 (Folate Receptor 4, clone 12A5) PE/Dazzle™ 594 (top) or rat IgG2b, κ PE/Dazzle™ 594 isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.6 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.



* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

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

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