

Product Data Sheet

PE/Cy7 anti-mouse FR4 (Folate Receptor 4)

Catalog # / Size: 125012 / 100 µg

Clone: 12A5

Isotype: Rat IgG2b, κ

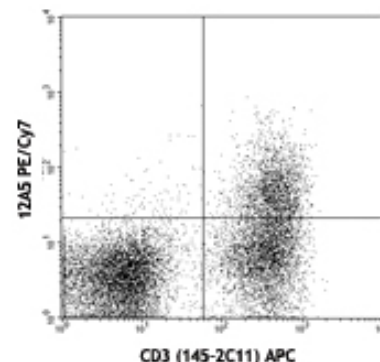
Reactivity: Mouse Folate Receptor 4

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 mouse splenocytes stained with CD3 (145-2C11) APC and 12A5 PE/CY7

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 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

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
 PE/Cy7 Rat IgG2b, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 RTK4530

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Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC



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