

Product Data Sheet

Alexa Fluor® 647 anti-mouse FR4 (Folate Receptor 4)

Catalog # / Size: 125109 / 25 µg
125110 / 100 µg

Clone: TH6

Isotype: Rat IgG2b, κ

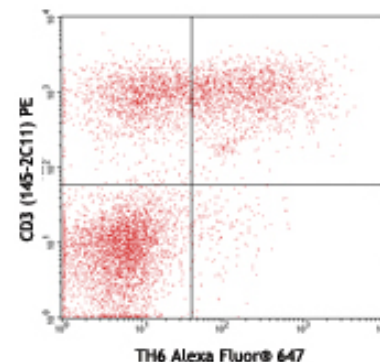
Reactivity: Mouse Folate Receptor 4

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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 and protected from prolonged exposure to light. **Do not freeze.**



BALB/c splenocytes stained with TH6 Alexa Fluor® 647 and 145-2C11 PE

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 other applications.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

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
 Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 RTK4530

93

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



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