

Alexa Fluor® 647 anti-mouse Tim-4

Catalog # / Size: 130007 / 25 µg
130008 / 100 µg

Clone: RMT4-54

Isotype: Rat IgG2a, κ

Immunogen: Mouse TIM4-Ig fusion protein

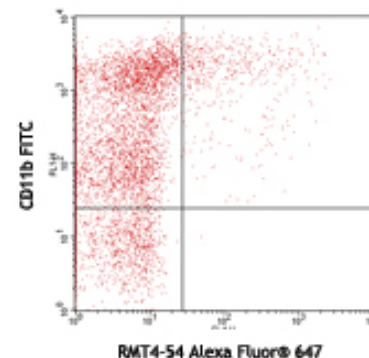
Reactivity: Mouse

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 mouse peritoneal macrophages stained with RMT4-54 Alexa Fluor® 647 and CD11b 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 million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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

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Description: TIM4 is a transmembrane protein known as T cell immunoglobulin and mucin domain containing protein-4. It is expressed on antigen-presenting cells and not on T cells. TIM4 binds to TIM1 to promote T cell proliferation by enhancing cell division and reducing apoptosis. TIM4 bind to phosphatidylserine through its FG-CC' binding cleft in the N-terminal IgV domain to facilitate the clearance of apoptotic cells or bodies.

Antigen References:

1. Kuchroo VK, *et al.* 2008. *Nat. Rev. Immunol.* 8:577
2. Miyanishi M, *et al.* 2007. *Nature* 450:435
3. Rodriguez-Manzanet R, *et al.* 2008. *J. Immunol.* 180:4706

Related Products:	Product	Clone	Application
	Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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