

PE anti-mouse Tim-4

Catalog # / Size: 129905 / 25 µg
129906 / 100 µg

Clone: F31-5G3

Isotype: Rat IgG1 κ

Immunogen: Mouse TIM4-Ig fusion protein

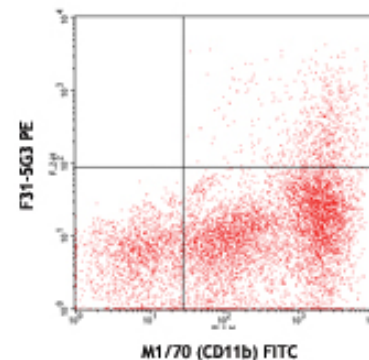
Reactivity: Mouse

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



BALB/c peritoneal macrophages
stained with F31-5G3 PE and M1/70
(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.

Application References: 1. Rodriguez-Manzanet R, *et al.* 2008. *J. Immunol.* 180:4706

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
PE Rat IgG1, κ Isotype Ctrl	RTK2071	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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