

TECHNICAL DATA SHEET

APC Anti-Mouse TIM-4 (RMT4-54)

Catalog Number: 20-5866

PRODUCT INFORMATION

Contents: APC Anti-Mouse TIM-4 (RMT4-54)

Isotype: Rat IgG2a, kappa

Concentration: 0.2 mg/mL

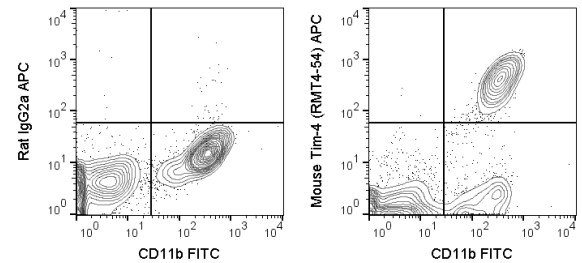
Clone: RMT4-54

Reactivity: Mouse

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



C57Bl/6 resident peritoneal exudate cells were stained with FITC Anti-Mouse CD11b (35-0112) and 0.25 ug APC Anti-Mouse Tim-4 (20-5866) (right panel) or 0.25 ug APC Rat IgG2a (left panel).

DESCRIPTION

The RMT4-54 antibody reacts with mouse Tim-4, also known as T cell immunoglobulin and mucin domain containing protein-4. Tim-4 is expressed on macrophages and dendritic cells and can serve as a receptor for Tim-1. Tim-4 also functions as a receptor for phosphatidylserine and serves to enhance the phagocytosis of apoptotic cells.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

Meyers JH, Chakravarti S, Schlesinger D, Illes Z, Waldner H, Umetsu SE, Kenny J, Zheng XX, Umetsu DT, DeKruyff RH, Strom TB, Kuchroo VK. 2005. Nat Immunol. May;6(5):455-464. Rodriguez-Manzanet R, Meyers JH, Balasubramanian S, Slavik J, Kassam N, Dardalhon V, Greenfield EA, Anderson AC, Sobel RA, Hafler DA, Strom TB, Kuchroo VK. 2008. J Immunol. Apr 1;180(7):4706-4713. Zhang X, Liu Q, Wang J, Li G, Weiland M, Yu FS, Mi QS, Gu J, Zhou L. 2016. Oncotarget. Jun 21;7(25):37498-37512.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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