

TECHNICAL DATA SHEET

PE Anti-Mouse CD366 (TIM-3) (RMT3-23)

Catalog Number: 50-5870

PRODUCT INFORMATION

Contents: PE Anti-Mouse CD366 (TIM-3) (RMT3-23)

Isotype: Rat IgG2a, kappa

Concentration: 0.2 mg/mL

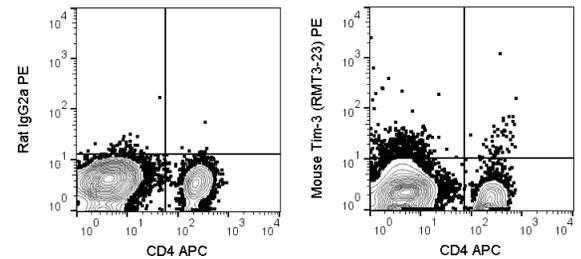
Clone: RMT3-23

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 splenocytes stimulated for 3 days with ConA and then stained with APC Anti-Mouse CD4 (20-0042) and 0.5 ug PE Anti-Mouse CD366 (Tim-3) (50-5870) (right panel) or 0.5 ug PE Rat IgG2a isotype control (left panel).

DESCRIPTION

The RMT3-23 antibody reacts with mouse CD366 which is also known as Tim-3 (T cell immunoglobulin and mucin domain containing protein-3). Tim-3 is expressed on activated monocytes, macrophages, dendritic cells, and mast cells. Additionally, Tim-3 is found on Th1 lymphocytes and functions as an inhibitory receptor involved in the maintenance of immune homeostasis and self tolerance.

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

Oikawa T1, Kamimura Y, Akiba H, et al. 2006. J Immunol. 177(7):4281-4287. Nakae S, Iikura M, Suto H, Akiba H, Umetsu DT, Dekruyff RH, Saito H, Galli SJ. Blood. 2007. Oct 1;110(7):2565-8. Anderson AC, Joller N, Kuchroo VK. 2016. Immunity. 44(5):989-1004.

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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