

Anti-Mouse CD366/TIM3-162Dy

Catalog: 3162029B

Clone: RMT3-23

Package Size: 100 tests

Isotype: IgG2a

Storage: Store product at 4°C. Do not freeze.

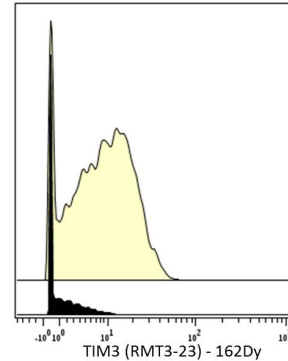
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Mouse,

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse RAW 264.7 cells (top) and mouse A20 cells (bottom) were stained with 162Dy-anti-TIM3 (RMT3-23). Total viable cells are displayed in analysis.

Description

T-cell immunoglobulin mucin-3 (TIM-3) is a type-1 glycoprotein that is expressed on the cells of both innate and adaptive immune system. Tim-3 is expressed by CD4+ Th1 cells, but not on CD4+ Th2 cells. Tim-3 is involved in regulating T cell responses by interacting with its ligand galectin-9. Tim-3/Galectin-9 signaling is also involved in regulating tolerance to allograft in murine models of transplantation. Dysregulation of Tim-3 in innate immune cells is associated with pathogenesis and exacerbation of disease in chronic viral infections and tumors. Tim-3 also plays a role in the maintenance of tolerance to the fetus.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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