

Anti-Mouse TNF α -162Dy

Catalog #: 3162002B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: MP6-XT22

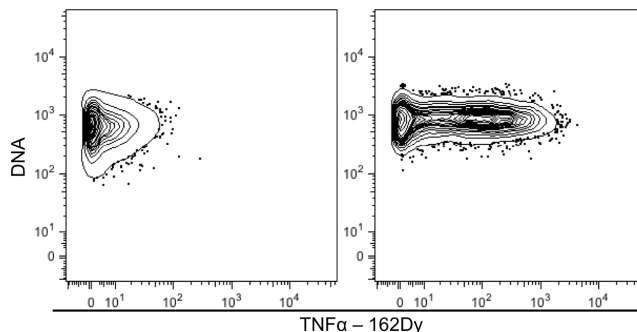
Isotype: Rat IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes were incubated for 6 hours in media alone (left) or with PMA and Ionomycin (right) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 162Dy-anti-TNF α (MP6-XT22). CD4⁺ T lymphocyte are displayed in the analysis.

Description

Tumor Necrosis Factor (TNF) alpha, also known as cachexin, is a cytokine with a primary role of regulation of immune cells. It plays a role in the acute inflammatory response to infections and has cytolytic activity against tumor cells. It is produced primarily by activated macrophages but can be produced in other cells such as activated monocytes and T cells.

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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