

# Anti-Mouse TNFα-141Pr

Catalog: 3141013B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: MP6-XT22

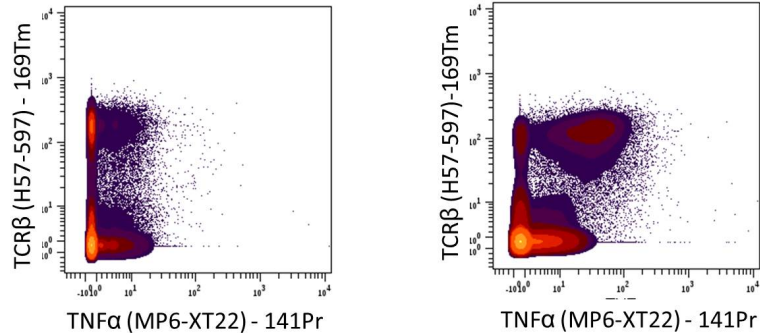
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



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 141Pr-anti-TNFα (MP6-XT22) and 169Tm-anti-TCRβ (H57-597). Total viable cells 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.

For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

EMAIL  
 United States support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com  
 Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com  
 All other countries techsupport@fluidigm.com

PHONE  
 United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40  
 Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368  
 All other countries +1 650 266 6100

**For Research Use Only. Not for use in diagnostic procedures.**

This product contains antibodies manufactured by and sold under license from BioLegend and licensees thereof.

Information in this publication is subject to change without notice. **Safety data sheet information** [fluidigm.com/sds](http://fluidigm.com/sds) **Patent and license information** [fluidigm.com/legalnotices](http://fluidigm.com/legalnotices) | Fluidigm, the Fluidigm logo, Cell-ID, CyTOF, and Maxpar are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2015 Fluidigm Corporation. All rights reserved. 06/2015