

Anti-Mouse BATF-154Sm

Catalog: 3154012A

Package Size: 50 tests

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

Reactivity: Mouse, Human,

Clone: D7C5

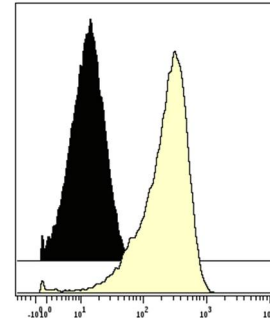
Isotype: IgG

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 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.



BATF (D7C5) – 154Sm

Mouse splenocytes either unstimulated (top) or stimulated for 3 days with anti-CD3 and anti-CD28 were stained with 154Sm-anti-BATF (D7C5) using the Nuclear Antigen Staining Buffer Set (cat. 201063). Viable T cells are displayed in the analysis.

Description

BATF, also known as B-cell-activating transcription factor, is a basic leucine zipper transcription factor that belongs to the AP-1/ATF superfamily. BATF is expressed at low levels in hematopoietic cells and upregulated in activated T cells in response to a variety of stimuli. BATF functions by forming heterodimers with members of the Jun transcription factor family, which in turn binds to AP-1 DNA sequences. Induction of BATF expression suppresses AP-1 target genes by competing for Fos/Jun binding sequences.

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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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

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