

Anti-Human β 2-microglobulin-170Er

Catalog: 3170016B

Clone: 2M2

Package Size: 100 tests

Isotype: IgG1

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

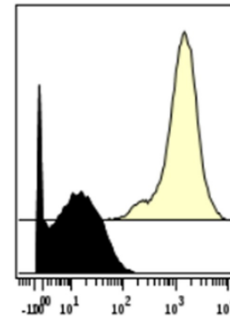
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human, Porcine,

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.



β 2-microglobulin(2M2)-170Er

Human PBMCs (top) and mouse A20 cells (bottom) stained with 170Er-anti- β 2-microglobulin(2M2). Total viable cells are displayed in the analysis.

Description

The 2M2 monoclonal antibody binds specifically to β 2-microglobulin, a 12 kD nonpolymorphic Ig-like protein also known as β 2M. β 2M forms the HLA Class I antigen complex through a noncovalent association with the 44 kD α chain. β 2M has a diverse expression profile and is found on all leukocytes, platelets, endothelial cells, and epithelial cells. β 2M is thought to play an essential role in promoting antigen binding, in governing MHC class I molecules stability and in antigen presentation.

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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