

Anti-Human/Mouse Granzyme B-171Yb

Catalog: 3171002B

Clone: GB11

Package size: 100 tests

Isotype: Mouse IgG1

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

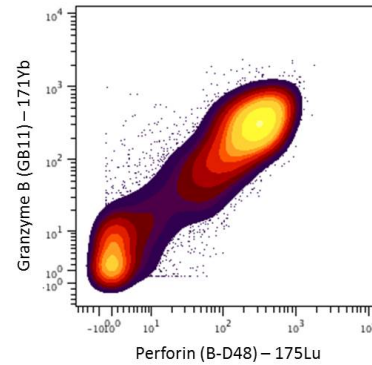
Formulation: Antibody stabilizer with 0.05% sodium azide

Cross-reactivity: Rat

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.



Human PBMC stained with ¹⁷⁵Lu anti-perforin (B-D48) and 171Yb anti-granzyme B (GB11). Viable NK cells are displayed in the analysis.

Description

Granzyme B, also known as granzyme-2, serine protease B, CCP1, Asp-ase, and CTLA-1, is a 32 kDa serine protease. It is abundantly stored in the granules of cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. Low level of expression has been reported in granulocytes, B cells, and activated dendritic cells. The protein is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response.

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 (2009): 6,813–22.

Ornatsky, O.I. et al. "Highly multiparametric analysis by mass cytometry." *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit <http://techsupport.fluidigm.com>. | For general support visit www.fluidigm.com/support.

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:** www.fluidigm.com/sds. **Patent and license information:** www.fluidigm.com/legalnotices. **EU's WEEE directive information:** www.fluidigm.com/compliance. Fluidigm, the Fluidigm logo, and CyTOF 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. © 2017 Fluidigm Corporation. All rights reserved. 11/2017