

Anti-Human Arginase I-164Dy

Catalog: 3164030B

Clone: 14D2C43

Package size: 100 tests

Isotype: Mouse IgG2b

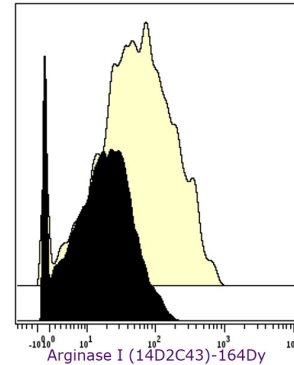
Storage: Store at 4 °C. Do not freeze.

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.



Human BJ cells (top) and human MOLT4 (bottom) were fixed, permeabilized, and stained with 164Dy-anti-arginase I (14D2C43). Total viable cells are displayed in the analysis.

Description

Arginase 1 is a manganese-containing enzyme and belongs to the ureohydrolase family of enzymes. Arginase enzymes catalyze the fifth and final step in the urea cycle, a series of biochemical reactions in mammals during which the body disposes of harmful ammonia. Arginase 1 is located mainly in the cytoplasm of the liver. Arginase deficiency, commonly referred to as arginemia, refers to decreased function of arginase 1. The disorder leads to neurological impairment, dementia, retardation of growth and hyperammonemia.

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. **Limited Use Label License:** The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased consumable or reagent only with Fluidigm Instruments and Systems. **EU's WEEE directive information:** www.fluidigm.com/compliance. Fluidigm, the Fluidigm logo, and CyTOF are trademarks and/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. © 2018 Fluidigm Corporation. All rights reserved. 01/2018