

Anti-Human/Mouse Arginase 1-166Er

Catalog: 3166023B

Package Size: 100 tests

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

Reactivity: Mouse, Human,

Clone: Polyclonal

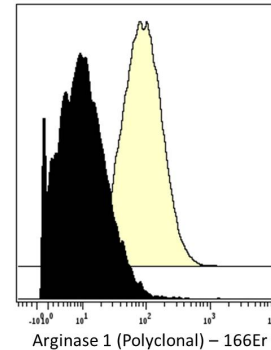
Isotype: Other IgG

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.



Human HepG2 cells (top) and human PBMCs (bottom) were fixed, permeabilized, and stained with 166Er-anti-Arginase 1 (Polyclonal). Total viable cells are displayed in 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 known 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* 81:6813-6822, 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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