

Anti-I κ B α (Amino Terminal Antigen)-164Dy

Catalog: 3164004A

Package size: 50 tests

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

Cross-reactivity: Rat, Mouse, Human, Bovine, Porcine, Guinea Pig, Monkey

Clone: L35A5

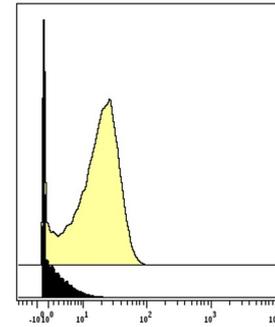
Isotype: Mouse IgG1

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.



Anti-I κ B α (L35A5)-164Dy

Human Jurkat T cells were incubated for 15 minutes in media alone (top) or with pervanadate (bottom). Cells were then fixed, permeabilized, and stained with 164Dy-anti-I κ B α (L35A5).

Description

I κ B α is a member of the family of I κ B proteins, part of the NF κ B pathway of inflammatory and immune responses. In the absence of NF κ B signaling, I κ B is responsible for the sequestration of NF κ B-p65 in the cytoplasm. Exposure to cytokines such as TNF α induces phosphorylation of I κ B at Ser32 and Ser36, which promotes the rapid degradation of I κ B and allows translocation of NF κ B to the nucleus.

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.

Bendall, S. C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* (2011): 687–96.

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