

Anti-Human KLF4-162Dy

Catalog: 3162022A

Package Size: 50 tests

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

Reactivity: Human, Monkey

Clone: D1F2

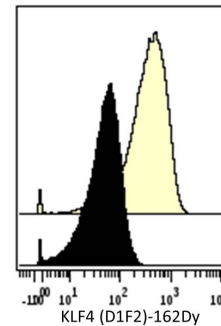
Isotype: IgG

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 NTERA-2 cells (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with 162Dy-anti-KLF4 (D1F2).

Description

Kruppel-like factor 4 (KLF4) is a member of the KLF family of zinc finger containing transcription factors. KLF4 regulates various cellular processes including proliferation, differentiation, apoptosis, development and maintenance of normal tissue homeostasis. KLF4 also functions as both activator and repressor depending on the target gene. KLF4, combined with three other transcription factors: Oct4, Sox2 and c-Myc, has been used to reprogram somatic cells into pluripotent stem cells.

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.

For technical support visit fluidigm.com/support

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