

Anti-Human Keratin 8/18-174Yb

Catalog: 3174014A

Package Size: 50 tests

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

Reactivity: Monkey

Clone: C51

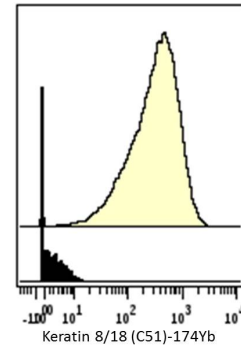
Isotype: IgG1

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.



Human HeLa cells (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with 174Yb-anti-Keratin 8/18 (C51).

Description

Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Cytokeratin 8 belongs to the type B (basic) subfamily of high molecular weight keratins and exists in combination with Cytokeratin 18 (type A; acidic subfamily of low molecular weight keratins). Keratin isoforms are useful biomarkers for tissue- and differentiation-specific study. Mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases.

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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