

Anti-Cytokeratin 7-164Dy

Catalog: 3164020A

Package Size: 50 tests

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

Reactivity: Rat, Mouse, Human, Bovine, Canine, Hamster

Clone: RCK105

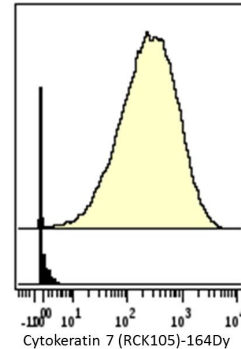
Isotype: IgG1

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 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 HeLa cells (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with 164Dy-anti-Cytokeratin 7 (RCK105).

Description

Cytokeratins are proteins that are involved in the cytoskeleton. Cytokeratin 7 (CK7) is a 54-kDa type II (or basic) keratin containing three coiled-coil domains. Cytokeratin 7 is found in both columnar and glandular epithelium of the lung, cervix, breast, bile ducts, and in the collecting ducts in the kidney as well as mesothelium. Cytokeratin 7 has been shown to interact with the EGF receptor and heat shock protein 70 kD1A. The coordinated expression of this keratin with cytokeratin 20 is commonly used as a diagnostic marker for a variety of carcinomas.

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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