Anti-Cytokeratin 7-164Dy

Catalog: 3164020A
Clone: RCK105
Package Size: 50 tests
Isotype: IgG1
Storage: Store product at 4°C. Do not freeze.
Reactivity: Rat, Mouse, Human, Bovine, Canine, Hamster

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 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

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 kDa1A. The coordinated expression of this keratin with cytokeratin 20 is commonly used as a diagnostic marker for a variety of carcinomas.

References


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