Anti-Cytokeratin 7 (RCK105)-164Dy

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog number: 3164028D
Package size and concentration: 25 µg, 0.5 mg/mL
Clone: RCK105
Isotype: Mouse IgG2
Pathologist-verified on: Human FFPE
Fluidigm tested on: Human FFPE, Mouse FFPE

Reported reactivity: Human, Mouse, Rat, Bovine, Canine, Hamster
Formulation: Antibody stabilizer with 0.05% sodium azide
Storage: Store at 4 °C. Do not freeze.
Application: IMC paraffin

Technical Information

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, and 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.

Application: The metal-tagged antibody is designed and formulated for the application of Imaging Mass Cytometry™ (IMC™) using the Fluidigm Hyperion™ Imaging System on formalin-fixed, paraffin-embedded (FFPE) tissue sections.

Quality control: Each lot of conjugated antibody is quality control-tested by Imaging Mass Cytometry on tissue sections.

Recommended concentration: For optimal performance it is recommended that the antibody be titrated for the desired application. Suggested initial dilution range: IMC-Paraffin: 1:25 to 1:100

References


Safety

Use standard laboratory safety protocols. Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, go to fluidigm.com/sds and search for the SDS using either the product name or the part number.