Anti-Human Collagen Type I-169Tm

Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3169023D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human

Description
Collagen Type I is a fibrillar-forming, extracellular matrix protein composed of two alpha 1 chains and one alpha 2 chain in a triple helix. It is the predominant form of collagen in the human body. It forms the fibrils of tendon, ligaments, and bones, and it plays a role in scar tissue formation. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome classical type, Caffey disease and idiopathic osteoporosis.

References


Technical Information

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) and frozen 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: 1:150 to 1:600
IMC frozen: 1:200 to 1:800

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