Anti-Cross Vimentin-143Nd

Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3143029D

Package size and concentration: 25 µg, 0.5 mg/mL

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

Reactivity: Rabbit, Rat, Mouse, Human, Bovine, Canine, Hamster, Monkey, Cross

Clone: RV202

Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Application: IMC paraffin, IMC frozen

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: 1:25 to 1:100 IMC frozen: 1:50 to 1:200

Description

Vimentins are type III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. They are highly expressed in fibroblasts, with low expression in T and B lymphocytes and little or no expression in Burkitt's lymphoma cell lines. They are also expressed in many hormone-independent mammary carcinoma cell lines. Dynamic structural changes and spatial reorganization of vimentin in response to extracellular stimuli help to coordinate various signaling pathways. Remodeling of vimentin and other intermediate filaments is important during lymphocyte adhesion and migration through the endothelium.

References
