Anti-Human VEGF-163Dy

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3163028D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human

Clone: G153-694
Isotype: Mouse IgG2b
Formulation: Antibody stabilizer with 0.05% sodium azide
Application: IMC-Paraffin

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) 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: 1:50 to 1:200

Description

VEGF (vascular endothelial growth factor), also known as VEGFA, is a heparin-binding, dimeric glycosylated protein of 46–48 kDa that is related to the PDGF/VEGF family of growth factors. VEGF is secreted by pituitary cells, monocytes/macrophages, smooth muscle cells and keratinocytes. It is also secreted by tumor cells and other cells exposed to hypoxia. VEGF is a highly specific mitogen for vascular endothelial cells and induces angiogenesis and permeabilization of blood vessels.

Human placenta (FFPE) stained with 163Dy-anti-VEGF (G153-694) at a dilution of 1:100 (red pseudocolor) and iridium DNA intercalator (blue pseudocolor). Heat-mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. Scale bar size = 100 µm.

References


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