

Anti-Human Vista-160Gd

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3160025D

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

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

Reactivity: Human, Monkey

Clone: D1L2G

Isotype: Rabbit IgG

Formulation: Antibody stabilizer with 0.05% sodium azide

Application: IMC-Paraffin

Technical Information

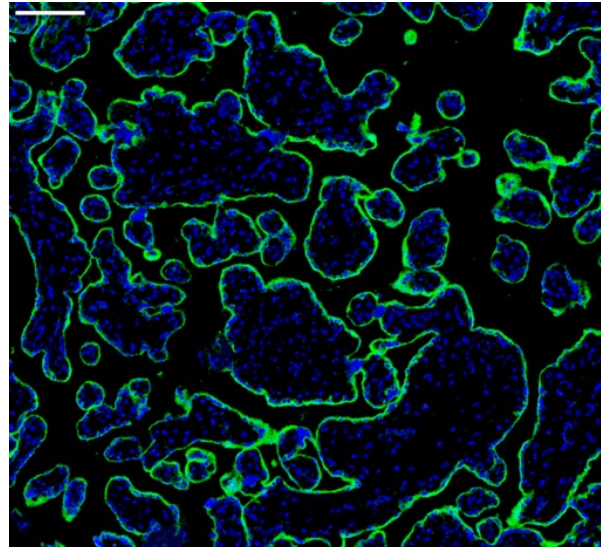
Application: The metal-tagged antibody is designed and formulated for the application of Imaging Mass Cytometry (IMC™) using the Fluidigm Hyperion™ Imaging System on formalin-fixed, paraffin-embedded (FFPE) tissue sections.

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: 1:25 to 1:100

Description

V-Domain Ig Suppressor of T Cell Activation (VISTA), also known as B7-H5, is a 55–65 kDa transmembrane protein belonging to the Ig superfamily, and it has sequence similarity to both the B7 and CD28 family members. VISTA is primarily expressed by myeloid cells. It is also expressed by CD4+, CD8+, and Foxp3+ T cells. It is a negative checkpoint control protein that regulates T cell activation and immune responses. Clone D1L2G™ recognizes endogenous levels of total VISTA protein.



Human placenta (FFPE) stained with 160Gd-anti-VISTA (D1L2G™) at a dilution of 1:50 (green 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

Chang, Q. et al. "Staining of frozen and formalin-fixed, paraffin-embedded tissues with metal-labeled antibodies for imaging mass cytometry analysis." *Current Protocols in Cytometry* 82 (2017): 12.47.1–12.47.8.

Giesen, C. et al. "Highly multiplexed imaging of tumor tissues with subcellular resolution by mass cytometry." *Nature Methods* 11 (2014): 417–22.

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