

Anti-Human/Mouse BCL-6-147Sm

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3147020D

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

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

Reactivity: Human, Mouse

Clone: K112-91

Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Application: IMC-Paraffin

Technical Information

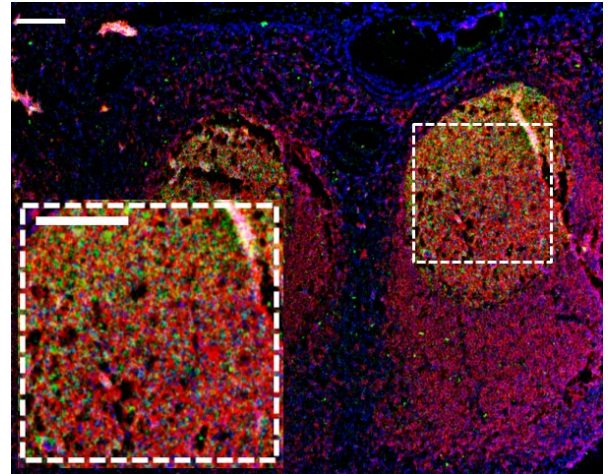
Application: The metal-tagged antibody is designed and formulated for the application of Imaging Mass Cytometry (IMC™) using the Fluidigm Hyperion™ Imaging System on formalin-fixed, paraffin-embedded (FFPE) tissue sections.

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

BCL-6 (B-cell lymphoma 6) is an 80 kDa homodimer and member of the BTB-POZ zinc finger family of transcription repressors. Bcl-6 is expressed most abundantly in germinal center B cells, as well as in differentiating and activated B cells. In B cells, Bcl-6 induces proliferation, antibody class switching and affinity maturation, while inhibits its differentiation to plasma cells. On T cells, Bcl-6 is required for programming of TFH cell generation. BCL-6 is also expressed in some B cell lymphomas and breast cancer cells.



Human tonsil (FFPE) stained with 147Sm-anti-BCL-6 (K112-91) at a dilution of 1:50 (green pseudocolor), 161Dy-anti-CD20 (H1) (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

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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