

Anti-CD11c (3.9)-154Sm

Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3154026D

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

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

Reactivity: Human, African Green, Baboon, Chimpanzee, Cynomolgus, Rhesus, Squirrel Monkey

Clone: 3.9

Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Application: 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 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 frozen: 1:50 to 1:200

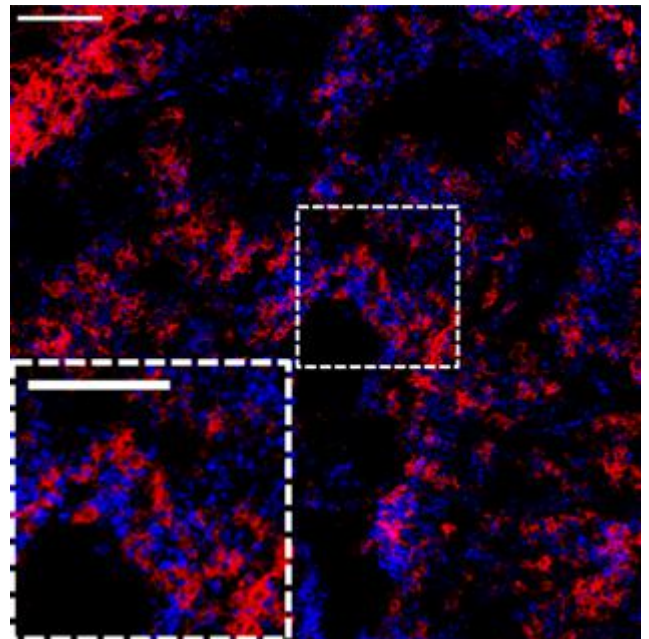
Description

CD11c is a transmembrane glycoprotein also known as integrin αX or CR4. CD11c is known to be expressed on monocytes/macrophages, dendritic cells, neutrophils, NK cells, and subsets of T and B cells. It has also been known to be expressed in hairy cell leukemias, acute nonlymphocytic leukemias, and some B cell chronic lymphocytic leukemias.

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.



Human frozen tonsil stained with 154Sm-anti-CD11c (3.9) at a dilution of 1:100 (red pseudocolor) and iridium DNA intercalator (blue pseudocolor). Tissue section was fixed in 4% paraformaldehyde for 30 minutes at 4 °C. Scale bar size = 100 µm.

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