Anti-Human CD194/CCR4-149Sm

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3149030D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human

Clone: L291H4
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

CD194, also known as CC chemokine receptor 4 (CCR4), belongs to the G protein-coupled receptor family. It is expressed on stimulated and unstimulated T and B cells, basophils, monocytes and NK cells. Human peripheral blood regulatory T cells (Tregs) can be divided into two distinct populations based on the expression of CCR4. Freshly isolated Tregs express CCR4 and presumably represent memory-type Tregs, and CCR4− Tregs require anti-CD3 antibody-mediated activation to acquire a regulatory activity. Depletion of CCR4+ T cells leads to Th1-type polarization of CD4+ T cells and augmentation of CD8+ T cell responses to tumor antigens.

References


For technical support visit http://techsupport.fluidigm.com. | For general support visit www.fluidigm.com/support.