Anti-CD4 (RPA-T4)-156Gd

Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3156036D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human, Chimpanzee, Cynomolgus

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

CD4, also known as T4, is a transmembrane glycoprotein expressed on the helper subset of T cells (thymocytes), immature T cells in the thymus, and weakly on monocytes and dendritic cells. CD4 helps recognize antigens associated with MHC class II molecules via initiation of signal transduction and controlling cell-to-cell interaction.

References


Human frozen tonsil stained with 156Gd-anti-CD4 (RPA-T4) 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 ºC.

Scale bar size = 100 µm.