Anti-CD3 (UCHT1)-170Er

Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3170022D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human, Chimpanzee

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

CD3 is a transmembrane subunit of the T cell receptor (TCR) complex. It is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. CD3 is expressed by T lymphocytes (thymocytes) at the highest levels on mature cell types.

References


Human frozen tonsil stained with 170Er-anti-CD3 (UCHT1) 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.