Anti-Human CD27-171Yb

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3171024D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human

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: 1:50 to 1:200

Description

CD27, also known as S152 and T14, is a type 1 membrane protein. It binds to CD70 and plays a key role in regulating B cell activation and immunoglobulin synthesis. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF-κB and SAPK/JNK activation. It is expressed on a subset of thymocytes, NK cells, some B cells, and virtually all mature T cells and is up-regulated upon T cell activation.

Human tonsil (FFPE) stained with 171Yb-anti-CD27 (EPR8569) at a dilution of 1:100 (green 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


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