

# Anti-Human CD25 (2A3)-175Lu

## Pathologist-Verified Clone for Imaging Mass Cytometry

Catalog: 3175037D

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

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

Reactivity: Human

Clone: 2A3

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: 1:25 to 1:100

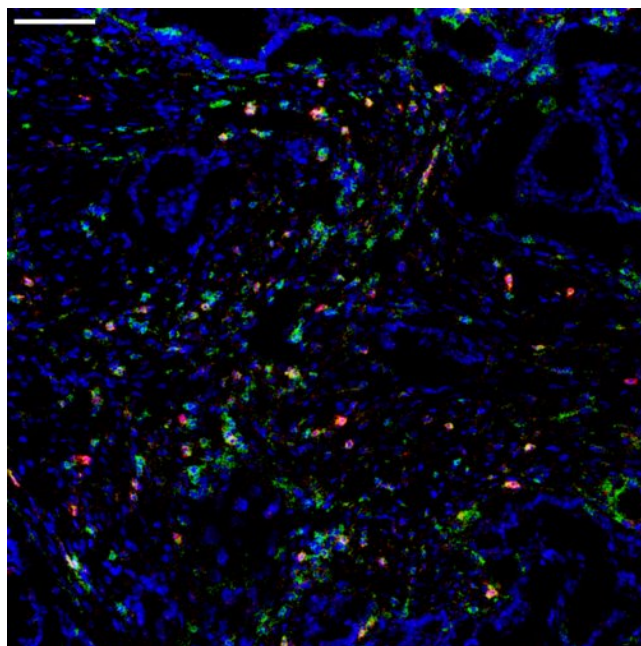
## Description

CD25, a glycoprotein known as the low-affinity interleukin 2 receptor (IL-2R), enables T cells to respond to the growth-promoting cytokine IL-2. It is expressed on regulatory and activated T cells, activated B cells, macrophages, and monocytes.

## 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 pancreas tumor stained with 175Lu-anti-CD25 (2A3) at a dilution of 1:50 (red pseudocolor), 156Gd-anti-CD4(RPA-T4) (green 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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