Anti-Human CD16-146Nd

Pathologist-Verified Clone for Imaging Mass Cytometry
Catalog: 3146020D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Rat, Human
Clone: EPR16784
Isotype: Rabbit IgG
Formulation: Antibody stabilizer with 0.05% sodium azide
Application: IMC paraffin, 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 formalin-fixed, paraffin-embedded (FFPE) and 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 paraffin: 1:25 to 1:100
IMC frozen: 1:50 to 1:200

Description
CD16, also known as low-affinity IgG receptor III (FcyRIII), is a polypeptide-anchored transmembrane protein. The CD16a isoform is expressed on the surface of NK cells, activated monocytes, macrophages, and placental trophoblasts. CD16a mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. The CD16b isoform is expressed specifically on neutrophils. This clone was derived with a CD16a immunogen that has high homology to CD16b, and it is expected to recognize both isoforms.

References


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