

Technical Data Sheet

PB Anti-Human CD16

Catalog Number: 100907, 100908

Size: 25 tests, 100 tests

Target Name: CD16, Fc γ RIII

Regulatory Status: RUO

Product Details

Clone: 016AB

Application: FC

Reactivity: Human

Format: PB

Isotype: Rabbit IgG

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

Protein Concentration: Supplied at a lot-specific concentration.

Storage and Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use 5 μ L of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Violet laser (405nm)

Background Information

CD16 is the type III Fc γ receptor. In humans, it exists in two different forms: Fc γ RIIIa (CD16a) and Fc γ RIIIb (CD16b). CD16, also known as Fc γ RIII, is a cluster of differentiation molecule found on the surface of natural killer cells, neutrophils, monocytes, macrophages, and certain T cells. CD16 has been identified as Fc receptors Fc γ RIIIa (CD16a) and Fc γ RIIIb (CD16b), which participate in signal transduction. It is expressed specifically on neutrophils. CD16 is often used as an additional marker to reliably identify different subsets of human immune cells.