

PE anti-human CD64

Catalog # / Size: 2597520 / 100 tests
 2597515 / 25 tests

Clone: S18012C

Isotype: Mouse IgG1, κ

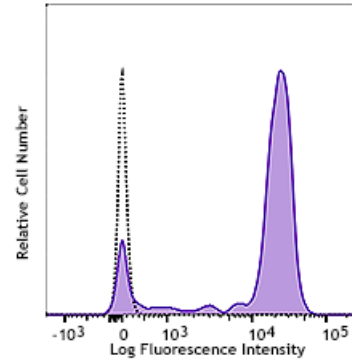
Immunogen: Recombinant human CD64-Fc (1257-FC-050)

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.

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

Concentration: Lot-specific



Human peripheral blood monocytes were stained with CD64 (clone S18012C) PE (filled histogram) or mouse IgG1, κ (clone MOPC-21) PE isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: S17015A does not cross-block binding of clones HIT2, HB-7 or S17015F also raised against human CD38 based on in-house testing.

Description: CD64 is a 72 kD single chain type I glycoprotein also known as Fc γ RI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. The expression can be upregulated by IFN- γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).

Antigen References:

- Hulett M, *et al.* 1994. *Adv. Immunol.* 57:1.
- van de Winkel JG, *et al.* 1993. *Immunol. Today* 14:215.