

PE/Cyanine7 anti-mouse CD16

Catalog # / Size: 1390080 / 100 µg
1390075 / 25 µg

Clone: S17014E

Isotype: Rat IgG2a, κ

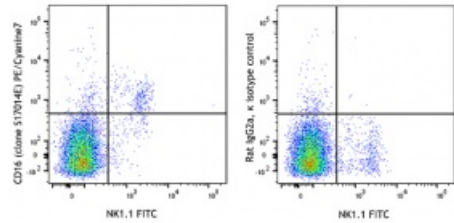
Immunogen: Mouse CD16 - transfected cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/mL



C57BL/6 mouse splenocytes were stained with NK1.1 FITC and anti-mouse CD16 (clone S17014E) PE/Cyanine7 (left) or rat IgG2a, κ PE/Cyanine7 isotype control (right).

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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone S17016D cross-blocks anti-mouse NK1.1 clone PK136, and can stain for NK1.1 post-formaldehyde and methanol-based fixation based on in-house testing.

Description: CD16 also known as Fcγ3 is a 50-65 kD type I transmembrane protein, member of the Fc gamma receptor family and Ig superfamily. CD16 is expressed on most myeloid cells including monocytes, macrophages, dendritic cells, and is also expressed by NK cells and NKT cells. CD16 is involved in cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC); its ligands are IgG1, IgG2a and IgG2b.

Antigen References:

1. Nimmerjahn F1 & Ravetch JV. 2008. *Nat Rev Immunol*. 8(1):34-47.
2. Biburger M & Nimmerjahn F. 2012. *Immunol Lett*. 143(1):53-9.
3. Arase N, et al. 2003. *J Immunol*. 170:3054.