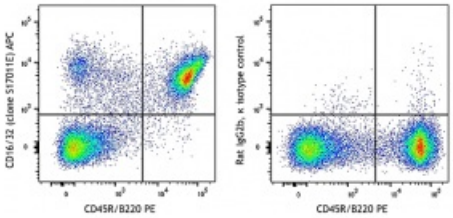
SONY

Product Data Sheet

APC/Cyanine7 anti-mouse CD16/32

Catalog # / Size:	1383060 / 100 µg 1383055 / 25 µg
Clone:	S17011E
Isotype:	Rat IgG2b, κ
Immunogen:	Mouse CCR1-transfectants.
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions. The solution is free of unconjugated APC/Cyanine7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2 mg/ml



C57BL/6 mouse splenocytes stained with CD45R/B220 PE and CD16/32 (clone S17011E) APC/Cyanine7 (left) or Rat IgG2b, κ APC/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 ≤ 0.25 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 S17011E blocks both clone 93 and 2.4G2 also raised against mouse CD16/32
Application References:	

Description:	CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. TruStain FcX™ PLUS is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors and is more effective than TruStain FcX™.
Antigen References:	1. Lionakis MS, *et al.* 2012. *PLoS Pathog.* 8:e1002865. 2. Gilliland CT, *et al.* 2013. *J. Biol. Chem.* 288:32194. 3. Gong X, *et al.* 1997. *J. Biol. Chem.* 272:11682. 4. Daugherty BL, Springer MS. 1997. *Genomics.* 41:294. 5. Pakianathan DR, *et al.* 1997. *Biochemistry* 36:9642.