

For Research Use Only

PE Anti-Mouse CD16 / CD32 (2.4G2)

Catalog Number: PE-65080



Basic Information

Catalog Number: PE-65080	GenBank Accession Number: BC038070	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 14130	CloneNo.: 2.4G2
Source: Rat	Full Name: Fc receptor, IgG, low affinity IIb	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2b		

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

CD16 (FcγRIII) is a 50-70 kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD32 (FcγRII) is a 40 kD transmembrane glycoprotein that binds to the Fc region of IgG with low affinity. CD32 is present on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. The 2.4G2 antibody reacts with the extracellular domains of mouse CD16 (FcRIII) and CD32 (FcRII) (PMID: 90108; 8406898).

Storage

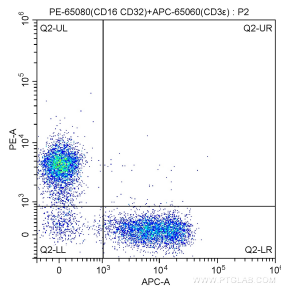
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

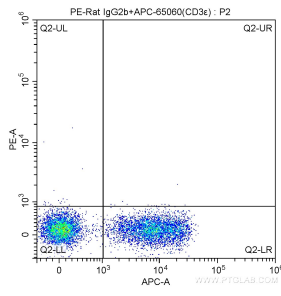
For technical support and original validation data for this product please contact:
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and 0.13 ug PE Anti-Mouse CD16 / CD32 (PE-65080, Clone: 2.4G2). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and 0.13 ug PE-Rat IgG2b isotype control antibody. Cells were not fixed.