For Research Use Only

Anti-Mouse CD16/CD32 (93), PBS Only

Catalog Number:65057-1-PBS



Basic Information	Catalog Number: 65057-1-PBS	GenBank Accession Number: BC038070	Purification Method: Protein G purification
	Concentration: 100ug, 1 mg/ml	GenelD (NCBI): 14130	CloneNo.: 93
	Source: Rat	UNIPROT ID: P08101	
	Isotype: IgG2a, lambda	Full Name: Fc receptor, IgG, low affinity IIb	
Applications	Tested Applications: FC		
	Species Specificity: mouse		
Background Information	CD16 (Fc γ RIII) 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 (Fc γ RII) 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. Rat anti mouse CD16/32 antibody, clone 93 is specific to the common epitope of CD16 and CD32. It can be used for blocking non-specific binding of immunoglobulins to the Fc receptors by preincubating the cells with the purified antibody at 1 ug per million cells in 100 uL volume for 5-10 minutes prior to immunostaining.		
Storage	Storage: Store at -80°C. The product is shipped with		

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 C57BL/6 mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD16/32 (65057-1-1g, Clone: 93) and FITC anti-rat IgG2a Antibody at dilution 1:100, or 0.5 ug Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3) and FITC anti-rat IgG2a Antibody at dilution 1:100. Cells were costained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed. This data was developed using the same antibody clone with 65057-1-PBS in