

For Research Use Only

Anti-Mouse CD16/CD32 (2.4G2)

Catalog Number: 65080-1-Ig **1 Publications**



Basic Information

Catalog Number: 65080-1-Ig	GenBank Accession Number: BC038070	Purification Method: Affinity purification
Size: 500ug , 0.5 mg/ml	GeneID (NCBI): 14130	CloneNo.: 2.4G2
Source: Rat	UNIPROT ID: P08101	Recommended Dilutions: FC: 0.5 ug per 10 ⁶ cells in 100 µl suspension
Isotype: IgG2b, kappa	Full Name: Fc receptor, IgG, low affinity IIb	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
Cited Applications: FC	
Species Specificity: mouse	
Cited Species: 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). Rat anti mouse CD16/CD32 antibody, clone 2.4G2 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zefan Liu	37229252	Front Pharmacol	FC

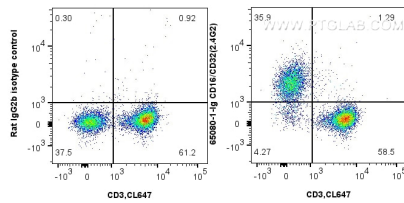
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD16 / CD32 (2.4G2) (65080-1-Ig, Clone: 2.4G2) or 0.5 ug Rat IgG2b Isotype Control (LTF-2) (65211-1-Ig, Clone: LTF-2) and FITC anti-rat IgG2b Antibody. Cells were co-stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.