

For Research Use Only

Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody, PBS Only



Catalog Number: **65572-1-PBS**

Basic Information

Catalog Number: 65572-1-PBS	GenBank Accession Number: BC032634	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 2209	CloneNo.: 10.1
Source: Mouse	ENSEMBL Gene ID: ENSG00000150337	
Isotype: IgG2a	Full Name: Fc fragment of IgG, high affinity Ia, receptor (CD64)	
	Calculated MW: 374 aa, 43 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

Fc γ receptors comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fc γ R1A, is a high-affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells (PMID: 23293080; 19642859; 7680917). CD64 functions in both innate and adaptive immune responses.

Storage

Storage:
Store at -80°C. Stable for one year after shipment.
Storage Buffer:
PBS Only

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

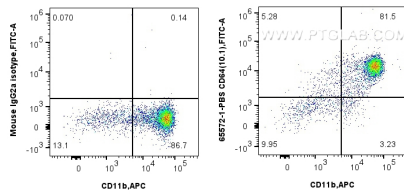
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.5 ug Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody, PBS Only (65572-1-PBS, Clone:10.1) or 0.5 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), and 0.5 ug APC Anti-Human CD11b (ICRF44) (APC-65116, Clone: ICRF44). Cells were not fixed. Monocytes were gated.