

For Research Use Only

APC Anti-Human CD64 (10.1)

Catalog Number: APC-65253



Basic Information

Catalog Number: APC-65253	GenBank Accession Number: BC032634	Purification Method: N/A
Size: 100tests , 5 ul/test	GeneID (NCBI): 2209	CloneNo.: 10.1
Source: Mouse	ENSEMBL Gene ID: ENSG00000150337	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1, kappa	UNIPROT ID: P12314	
	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

Fcγ receptor 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 Fcγ RIA, 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

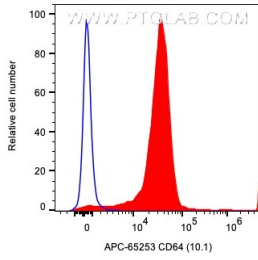
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

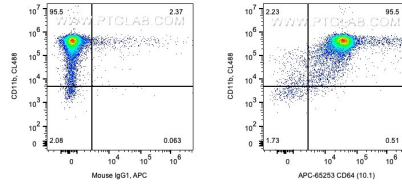
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul APC Anti-Human CD64 (APC-65253, Clone:10.1) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Monocytes were gated.



1x10⁶ human PBMCs were surface stained with CL488 Anti-Human CD11b (CL488-65166) and 5 ul APC Anti-Human CD64 (APC-65253, Clone:10.1) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Monocytes were gated.