

For Research Use Only

Biotin Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65572



Basic Information

Catalog Number: Biotin-65572	GenBank Accession Number: BC032634	Purification Method: Protein A purification
Size: 100ug , 500 µg/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

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 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

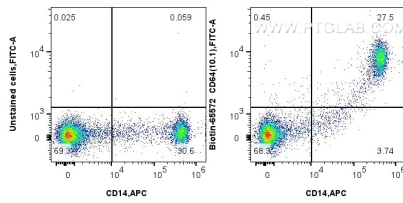
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

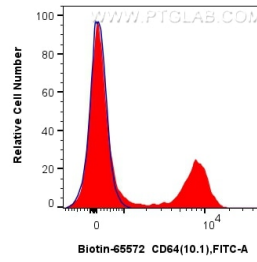
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD64 (10.1) Mouse IgG2a RecAb (Biotin-65572, Clone:10.1) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Human CD14 Rabbit Recombinant Antibody (APC-98040, Clone: 230332D7). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD64 (10.1) Mouse IgG2a RecAb (Biotin-65572, Clone:10.1) and CoraLite®488-conjugated streptavidin (red) or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.