

For Research Use Only



Anti-Human CD21 (BU32) Mouse IgG1 Recombinant Antibody

Catalog Number: 65512-1-MR

Basic Information

Catalog Number:	65512-1-MR	GenBank Accession Number:	BC136394	Purification Method:	Affinity purification
Size:	100ug, 0.5 mg/mL	GeneID (NCBI):	1380	CloneNo.:	BU32
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000117322		
Isotype:	IgG1	UNIPROT ID:	P20023		
		Full Name:	complement component (3d/Epstein Barr virus) receptor 2		
		Calculated MW:	1092 aa, 119 kDa		

Applications

Tested Applications:
FC
Species Specificity:
Human

Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

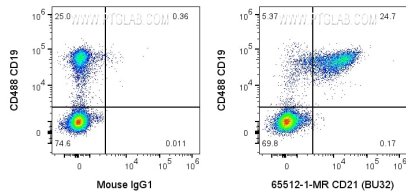
Storage

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

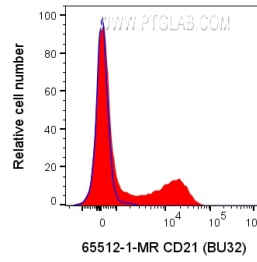
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD21 Mouse Recombinant Antibody (65512-1-MR, Clone:BU32) or Mouse IgG1 Isotype Control and CoraLite®647-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were then stained with CL488-Conjugated Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



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