

For Research Use Only



Anti-Human CD21 (BU32) Mouse IgG1 Recombinant Antibody, PBS Only

Catalog Number: **65512-1-PBS**

Basic Information

Catalog Number: 65512-1-PBS	GenBank Accession Number: BC136394	Purification Method: Affinity purification
Size: 1mg, 1 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 -80°C. Stable for one year after shipment.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only

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

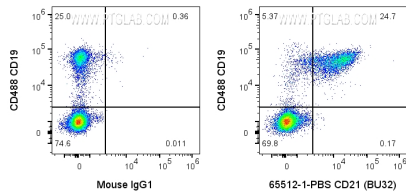
T: 4006900926

E: Proteintech-CN@ptglab.com

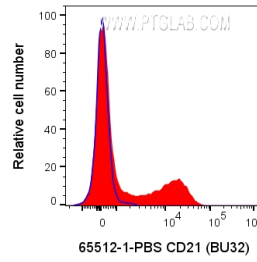
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD21 Mouse Recombinant Antibody (65512-1-PBS, 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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