

For Research Use Only

# Cardinal Red™ Anti-Human CD21 (BU32)



Catalog Number: CR-65198

## Basic Information

<b>Catalog Number:</b> CR-65198	<b>GenBank Accession Number:</b> BC136394	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 ul/test	<b>GeneID (NCBI):</b> 1380	<b>CloneNo.:</b> BU32
<b>Source:</b> Mouse	<b>Full Name:</b> complement component (3d/Epstein Barr virus) receptor 2	<b>Excitation/Emission maxima wavelengths:</b> 592 nm / 611 nm
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 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.

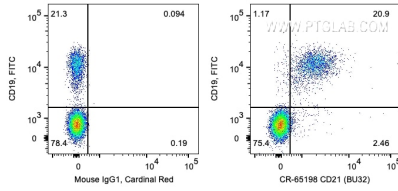
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

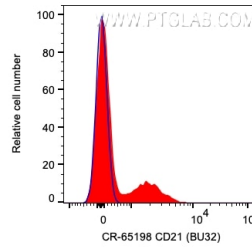
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with FITC Anti-Human CD19 and 5 ul Cardinal Red™ Anti-Human CD21 (CR-65198, Clone:BU32) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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