

For Research Use Only

# Atlantic Blue™ Anti-Human CD21 (BU32)

Catalog Number: AB-65198



## Basic Information

Catalog Number:

AB-65198

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC136394

GeneID (NCBI):

1380

ENSEMBL Gene ID:

ENSG00000117322

UNIPROT ID:

P20023

Full Name:

complement component (3d/Epstein Barr virus) receptor 2

Calculated MW:

1092 aa, 119 kDa

Purification Method:

Protein G purification

CloneNo.:

BU32

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

404 nm / 458 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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, pH7.3

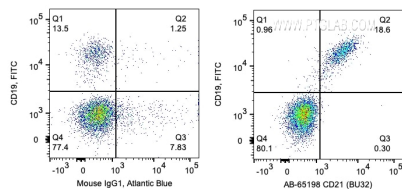
For technical support and original validation data for this product please contact:

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

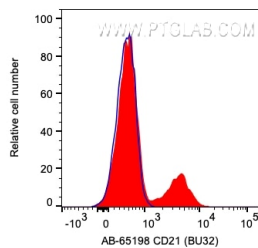
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 Atlantic Blue™ Anti-Human CD21 (AB-65198, Clone:BU32) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD21 (AB-65198, Clone:BU32) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.