

For Research Use Only

# Anti-Human CD21 (BU32) Mouse IgG2a Recombinant Antibody



Catalog Number: 65591-1-MR

## Basic Information

Catalog Number:

65591-1-MR

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC090937

GeneID (NCBI):

1380

ENSEMBL Gene ID:

ENSG00000117322

Full Name:

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

Purification Method:

Protein A purification

CloneNo.:

BU32

## 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:

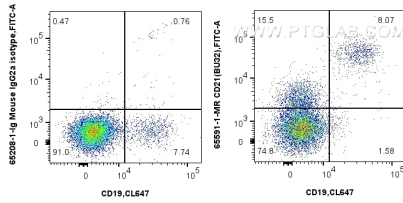
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

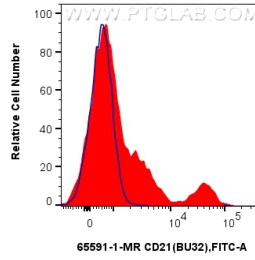
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD21 Mouse IgG2a Recombinant Antibody (65591-1-MR, Clone: BU32) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD21 Mouse IgG2a Recombinant Antibody (65591-1-MR, Clone: BU32) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue) and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. Lymphocytes were gated.