

For Research Use Only

# CoraLite®594 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody

Catalog Number:CL594-65562



## Basic Information

**Catalog Number:**

CL594-65562

**Concentration:**

100tests, 5 ul/test

**Source:**

Mouse

**Isotype:**

IgG2a

**GenBank Accession Number:**

BC006338

**GeneID (NCBI):**

930

**ENSEMBL Gene ID:**

ENSG00000177455

**UNIPROT ID:**

P15391

**Full Name:**

CD19 molecule

**Calculated MW:**

556 aa, 61 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4G7

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

## Background Information

CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

## 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:

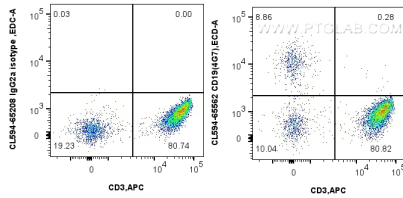
T: 4006900926

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

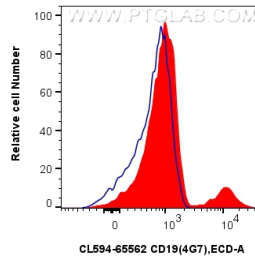
W: [ptgcn.com](http://ptgcn.com)

**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 stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3), and 5 ul CoraLite®594 Anti-Human CD19 (4G7) Mouse IgG2a RecAb (CL594-65562, Clone:4G7) or CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C.1.18.4). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human CD19 (4G7) Mouse IgG2a RecAb (CL594-65562, Clone: 4G7) (red) or CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C.1.18.4) (blue). Cells were not fixed.