

For Research Use Only

# FcZero-rAb® PE-Cyanine5.5 Anti-Mouse CD19 Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98287



## Basic Information

**Catalog Number:**

PY5P5-FcA98287

**Concentration:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG3194

**GenBank Accession Number:**

NM\_009844.2

**GeneID (NCBI):**

12478

**UNIPROT ID:**

P25918

**Full Name:**

CD19 antigen

**Calculated MW:**

60 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242301C6

**Recommended Dilutions:**

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 692 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

**Positive Controls:**

FC : mouse splenocytes,

## 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, pH7.3

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

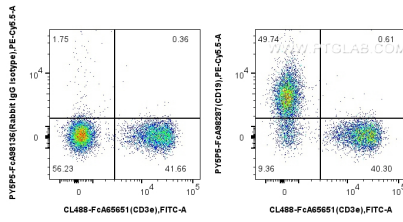
T: 4006900926

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

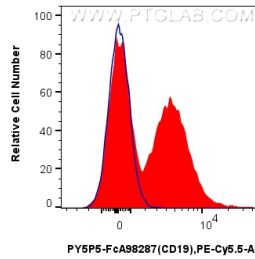
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11), and 0.1 ug PE-Cyanine5.5 Anti-Mouse CD19 Rabbit RecAb (PY5P5-FcA98287, Clone: 242301C6) or FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE-Cyanine5.5 Anti-Mouse CD19 Rabbit RecAb (PY5P5-FcA98287, Clone: 242301C6) (red) or FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.