

For Research Use Only

# PE-Cyanine7 Anti-Mouse CD19 Rabbit Recombinant Antibody

Catalog Number: PY7-98287



## Basic Information

Catalog Number:

PY7-98287

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

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

Excitation/Emission maxima wavelengths:

450-500 nm / 778 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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, pH7.3

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

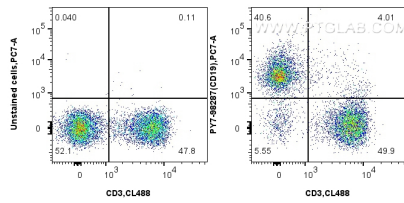
T: 4006900926

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

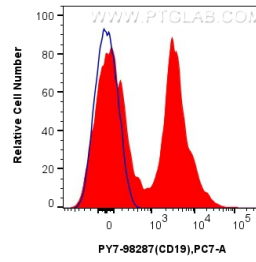
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.2 ug PE-Cyanine7 Anti-Mouse CD19 Rabbit RecAb (PY7-98287, Clone:242301C6) or unstained. Cells were co-stained with 0.2 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) (CL488-65077, Clone: 17A2). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.2 ug PE-Cyanine7 Anti-Mouse CD19 Rabbit RecAb (PY7-98287, Clone: 242301C6) (red) or unstained (blue). Cells were not fixed.