

For Research Use Only

FcZero-rAb™ CoraLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody

Catalog Number: CLV510-FcA65562



Basic Information

Catalog Number:
CLV510-FcA65562

Concentration:
100 tests, 5 µl/test

Source:
Rabbit

Isotype:
IgG

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

Recommended Dilutions:
FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
410 nm / 501 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:
FC : human PBMCs,

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

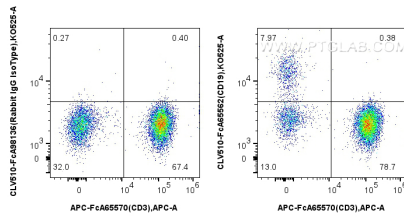
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

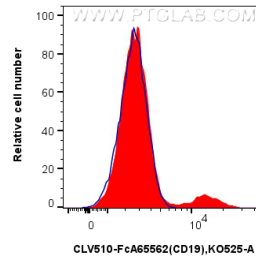
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 (UCHT1) and 5 ul CoraLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CLV510-FcA65562, Clone:4G7), or 5 ul Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CLV510-FcA65562, Clone:4G7) (red), or 5 ul Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.