For Research Use Only

CoraLux Violet 510 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody

Catalog Number:CLV510-65562

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Basic Information

Catalog Number:
CLV510-65562

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

Recommended Dilutions:
FC: 5 ul per 10^6 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:
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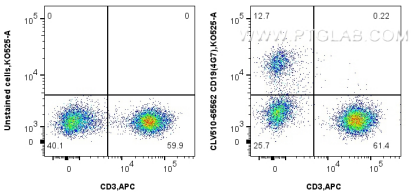
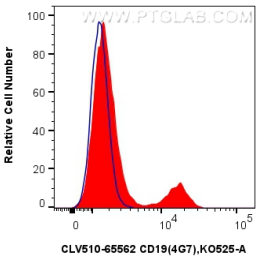
Selected Validation Data



1x10^6 human PBMCs were surface stained with APC Anti-Human CD3, and 5 ul CoraLux Violet 510 Anti-Human CD19 (4G7) Mouse IgG2a RecAb (CLV510-65562, Clone: 4G7) or unstained. Cells were not fixed.



1x10^6 human PBMCs were surface stained with 5 ul CoraLux Violet 510 Anti-Human CD19 (4G7) Mouse IgG2a RecAb (CLV510-65562, Clone:4G7) (red) or unstained (blue). Cells were not fixed.