

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Human CD19 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98560-3



Basic Information

Catalog Number:
CL488-FcA98560-3
Concentration:
100 tests, 5 µl/test
Source:
Rabbit
Isotype:
IgG

GenBank Accession Number:
GeneID (NCBI):
930
ENSEMBL Gene ID:
ENSG00000177455
Full Name:
CD19 molecule

Purification Method:
Protein A purification
CloneNo.:
253337A1
Recommended Dilutions:
FC: 5 µl per 10⁶ cells in a 100 µl suspension
Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC
Species Specificity:
human, cynomolgus monkey

Positive Controls:
FC : human PBMCs, cynomolgus 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:

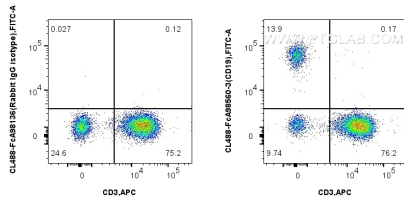
T: 4006900926

E: Proteintech-CN@ptglab.com

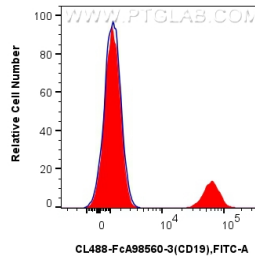
W: ptgcn.com

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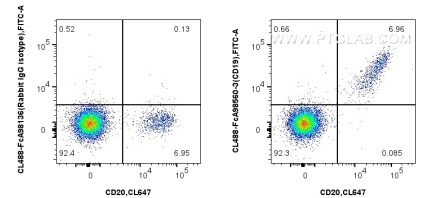
Selected Validation Data



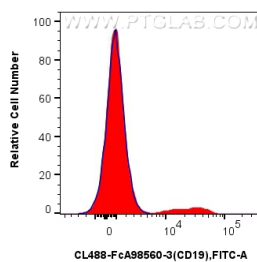
1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3), and 5 ul CoraLite® Plus 488 Anti-Human CD19 Rabbit RecAb (CL488-FcA98560-3, Clone: 253337A1) or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD19 Rabbit RecAb (CL488-FcA98560-3, Clone: 253337A1) (red) or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.



1x10⁶ cynomolgus PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD20 (2H7) Mouse IgG2a Recombinant Antibody (CL647-65575, Clone: 2H7), and 5 ul CoraLite® Plus 488 Anti-Human CD19 Rabbit RecAb (CL488-FcA98560-3, Clone: 253337A1) or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ cynomolgus PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD19 Rabbit RecAb (CL488-FcA98560-3, Clone: 253337A1) (red) or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.