

For Research Use Only

CoraLite® Plus 555 Anti-Human CD19 (4G7)



Catalog Number: CL555-65197

Basic Information

| | | |
|---------------------------------------|--|---|
| Catalog Number: CL555-65197 | GenBank Accession Number: BC006338 | Purification Method: Protein G purification |
| Size: 100tests, 5 µ l/test | GeneID (NCBI): 930 | CloneNo.: 4G7 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000177455 | Excitation/Emission maxima wavelengths: 554 nm / 570 nm |
| Isotype: IgG1, kappa | UNIPROT ID: P15391 | |
| | Full Name: CD19 molecule | |
| | Calculated MW: 556 aa, 61 kDa | |

Applications

Tested Applications:
FC

Species Specificity:
Human

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.

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

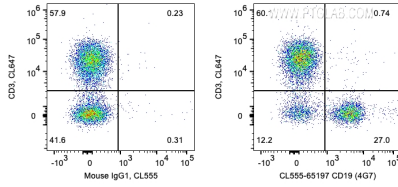
T: 4006900926

E: Proteintech-CN@ptglab.com

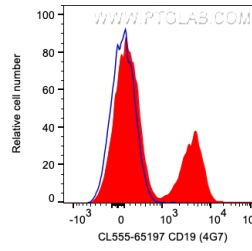
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with APC Anti-Human CD3 and 5 ul CoraLite® Plus 555 Anti-Human CD19 (CL555-65197, Clone:4G7) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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