Anti-Human CD19 (4G7)

Catalog Number:65197-1-Ig

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Basic Information

Catalog Number:
65197-1-Ig

Size:
100ug , 500 μg/ml

Source:
Mouse

Isotype:
IgG1, kappa

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: 0.2 ug per 10^6 cells in 100 μl suspension

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. Stable for one year after shipment.
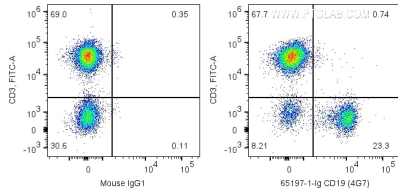Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

1X10^6 human PBMCs were surface co-stained with FITC Anti-Human CD3 and 0.2 ug Anti-Human CD19 (65197-1-Ig, Clone:4G7) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 (KFA023) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.
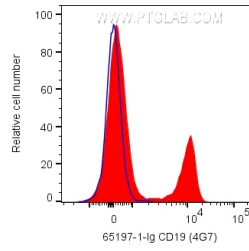
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