For Research Use Only

CoraLite® Plus 647 Anti-Human CD19 (HIB19)

Catalog Number:CL647-65110

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-65110

Concentration:
100tests, 5 μl/test

Source:
Mouse

Isotype:
Mouse IgG1, kappa

GenBank Accession Number:
BC006338

GeneID (NCBI):
930

ENSEMBL Gene ID:
ENSG00000177455

Full Name:
CD19 molecule

Calculated MW:
556 aa, 61 kDa

Purification Method:
Affinity purification

CloneNo.:
HIB19

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

Positive Controls:

FC : human peripheral blood lymphocytes,

Background Information

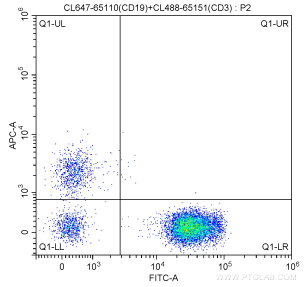
CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on 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

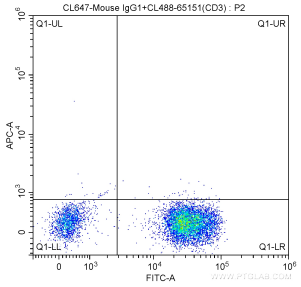
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

Selected Validation Data



1X10^6 human peripheral blood lymphocytes were surface stained with 5 ul CoraLite®488-conjugated Anti-Human CD3 (CL488-65151, Clone: UCHT1) and 5 ul CoraLite® Plus 647-conjugated Anti-Human CD19 (CL647-65110, Clone: HIB19). Cells were not fixed.



1X10^6 human peripheral blood lymphocytes were surface stained with 5 ul CoraLite®488-conjugated Anti-Human CD3 (CL488-65151, Clone: UCHT1) and CoraLite® Plus 647-conjugated Mouse IgG1 isotype control. Cells were not fixed.