

For Research Use Only

CoraLite® Plus 488 Anti-Human CD19 (SJ25C1)

Catalog Number: CL488-65145



Basic Information

Catalog Number:

CL488-65145

Size:

100 tests, 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.:

SJ25C1

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 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

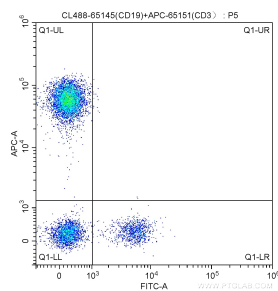
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

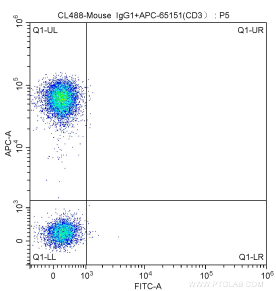
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



100 ul human peripheral blood were surface stained with APC Anti-Human CD3 (APC-65151, Clone: UCHT1) and 5.00 ul CoraLite® Plus 488-conjugated Anti-Human CD19 (CL488-65145, Clone: SJ25C1). Lymphocytes were gated for analysis. Cells were not fixed.



100 ul human peripheral blood were surface stained with APC Anti-Human CD3 (APC-65151, Clone: UCHT1) and CoraLite® Plus 488-conjugated Mouse IgG1 isotype control antibody. Lymphocytes were gated for analysis. Cells were not fixed.