For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD19 (1D3)

Catalog Number:CL647-65290

Basic Information

Catalog Number:
CL647-65290

Size:
100ug , 500 μg/ml

Source:
Rat

Isotype:
IgG2a

GenBank Accession Number:
BC156767

GeneID (NCBI):
12478

Full Name:
CD19 antigen

Purification Method:
Affinity purification

CloneNo.:
1D3

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

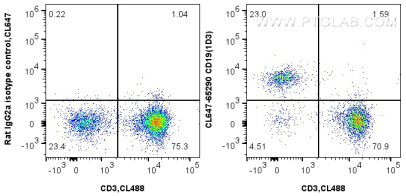
CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on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

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

Selected Validation Data



1X10^6 C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) (CL488-65077, Clone: 17A2) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD19 (CL647-65290, Clone: 1D3) or 0.5 ug CoraLite® Plus 647 Rat IgG2a Isotype Control (2A3) (CL647-65209, Clone: 2A3). Cells were not fixed.