

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, kappa

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:

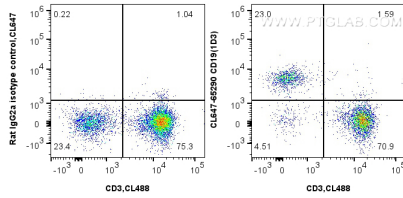
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> 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.