

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD19 (1D3)

Catalog Number: CL405-65290



## Basic Information

Catalog Number:

CL405-65290

Size:

100ug, 0.5 mg/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:

399 nm / 422 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.

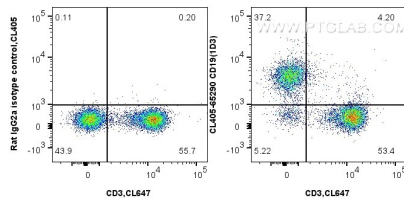
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD19 (1D3) (CL405-65290, Clone: 1D3) or 0.25 ug CoraLite® Plus 405 Rat IgG2a Isotype Control (2A3) (CL405-65209, Clone: 2A3). Cells were co-stained with Anti-Mouse CD3. Cells were not fixed.