

For Research Use Only

# CoraLite® Plus 405 Anti-Human CD19 (HIB19)



Catalog Number: **CL405-65110**

## Basic Information

|                                       |  |   |
|---------------------------------------|--|---|
| <b>Catalog Number:</b><br>CL405-65110 | <b>GenBank Accession Number:</b><br>BC006338 | <b>Purification Method:</b><br>Affinity purification              |
| <b>Size:</b><br>100tests, 5 µl/test   | <b>GeneID (NCBI):</b><br>930                 | <b>CloneNo.:</b><br>HIB19   |
| <b>Source:</b><br>Mouse               | <b>ENSEMBL Gene ID:</b><br>ENSG00000177455   | <b>Excitation/Emission maxima wavelengths:</b><br>399 nm / 422 nm |
| <b>Isotype:</b><br>IgG1, kappa        | <b>Full Name:</b><br>CD19 molecule           |   |
|                                       | <b>Calculated MW:</b><br>556 aa, 61 kDa      |   |

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## 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.

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

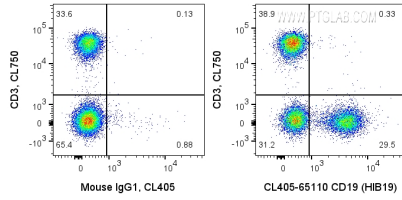
T: 4006900926

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

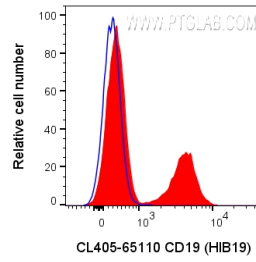
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 405 Anti-Human CD19 (CL405-65110, Clone:H1B19), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD19 (CL405-65110, Clone:H1B19), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.