

For Research Use Only

# CoraLite® Plus 750 Anti-Mouse CD19 (1D3)



Catalog Number: CL750-65290

## Basic Information

<b>Catalog Number:</b> CL750-65290	<b>GenBank Accession Number:</b> BC156767	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12478	<b>CloneNo.:</b> 1D3
<b>Source:</b> Rat	<b>Full Name:</b> CD19 antigen	<b>Excitation/Emission maxima wavelengths:</b> 755 nm / 780 nm
<b>Isotype:</b> IgG2a		

## 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

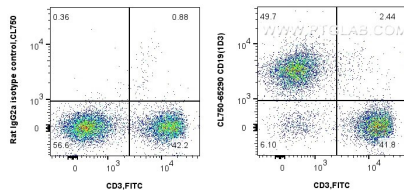
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**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

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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with FITC Plus Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 750 Anti-Mouse CD19 (CL750-65290, Clone:1D3) or 0.5 ug CoraLite® Plus 750 Rat IgG2a Isotype Control (2A3). Cells were not fixed.