

For Research Use Only

FITC Plus Anti-Mouse CD19 (1D3)

Catalog Number: FITC-65290



Basic Information

Catalog Number: FITC-65290	GenBank Accession Number: BC156767	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12478	CloneNo.: 1D3
Source: Rat	Full Name: CD19 antigen	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: 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

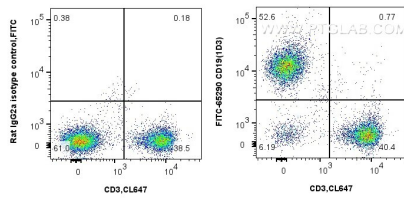
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug FITC Plus Anti-Mouse CD19 (FITC-65290, Clone:1D3) or 0.5 ug FITC Rat IgG2a Isotype Control (2A3). Cells were not fixed.