

For Research Use Only

Anti-Mouse CD19 (1D3)

Catalog Number: 65290-1-Ig



Basic Information

Catalog Number:

65290-1-Ig

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

Recommended Dilutions:

IF-Fro 1:200-1:800

Applications

Tested Applications:

IF-Fro, FC

Species Specificity:

mouse

Positive Controls:

IF-Fro : mouse spleen tissue,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

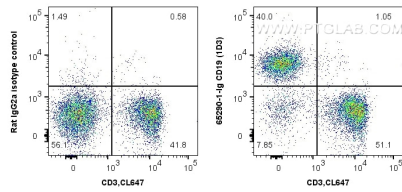
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

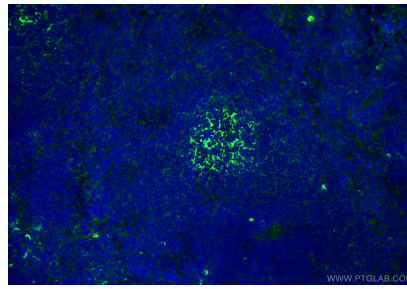
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug Anti-Mouse CD19 (65290-1-lg, Clone:1D3) or 0.5 ug Rat IgG2a Isotype Control (2A3), and FITC anti-rat IgG2a Antibody at dilution 1:100. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse spleen tissue using CD19 antibody (65290-1-Ig, Clone: 1D3) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).