

For Research Use Only

Anti-Mouse CD19 (1D3) Rat IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65661-1-PBS



Basic Information

Catalog Number:

65661-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC156767

GeneID (NCBI):

12478

Full Name:

CD19 antigen

Purification Method:

Protein A purification

CloneNo.:

1D3

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 -80°C.

Storage Buffer:

PBS only, pH7.3

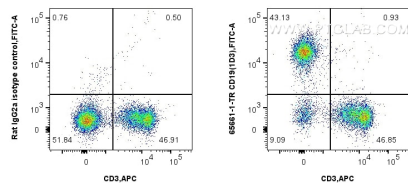
For technical support and original validation data for this product please contact:

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

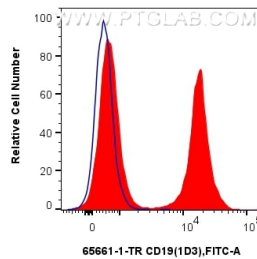
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD19 (1D3) Rat IgG2a RecAb (65661-1-TR, Clone:1D3) or Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3), and FITC anti-Rat IgG2a antibody. Cells were then stained with APC Anti-Mouse CD3 (17A2) (APC-65077, Clone: 17A2). Cells were not fixed. This data was developed using the same antibody clone with 65661-1-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD19 (1D3) Rat IgG2a RecAb (65661-1-TR, Clone: 1D3) (red) or Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3) (blue), and FITC anti-Rat IgG2a antibody. Cells were not fixed. This data was developed using the same antibody clone with 65661-1-PBS in a different storage buffer formulation.