

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD19 (1D3) Rat IgG2a Recombinant Antibody

Catalog Number:CL488-65661



Basic Information

Catalog Number:

CL488-65661

Concentration:

100ug, 500 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC156767

GeneID (NCBI):

12478

UNIPROT ID:

P25918

Full Name:

CD19 antigen

Purification Method:

Protein G purification

CloneNo.:

1D3

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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, pH7.3

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

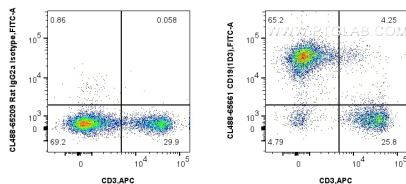
T: 4006900926

E: Proteintech-CN@ptglab.com

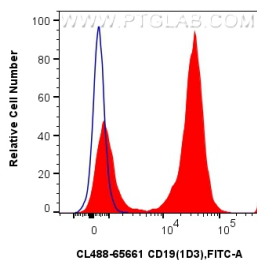
W: ptgcn.com

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 APC Anti-Mouse CD3, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD19 (1D3) Rat IgG2a RecAb (CL488-65661, Clone: 1D3) or CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3) (CL488-65209, Clone: 2A3). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD19 (1D3) Rat IgG2a RecAb (CL488-65661, Clone:1D3) (red) or CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3) (CL488-65209, Clone: 2A3) (blue). Cells were not fixed.