For Research Use Only

CoraLite® Plus 750 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody

Catalog Number:CL750-65562

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL750-65562

Size:
100tests , 5 µl/test

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC006338

GeneID (NCBI):
930

ENSEMBL Gene ID:
ENSG00000177455

UNIPROT ID:
P15391

Full Name:
CD19 molecule

Calculated MW:
556 aa, 61 kDa

Purification Method:
Protein A purification

CloneNo.:
4G7

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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).

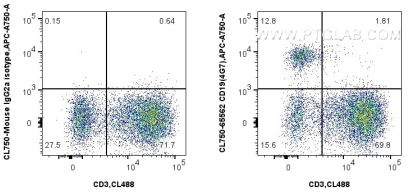
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

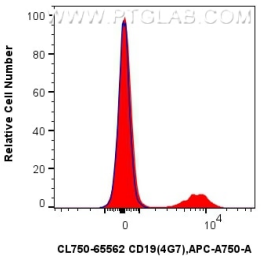
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 and 5 ul CoraLite® Plus 750 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL750-65562, Clone: 4G7) (right), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL750-65562, Clone: 4G7) (red), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.