

For Research Use Only

FITC Plus Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody

Catalog Number: FITC-65562



Basic Information

Catalog Number:

FITC-65562

Size:

100 tests, 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

Excitation/Emission maxima

wavelengths:

495 nm / 524 nm

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 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.

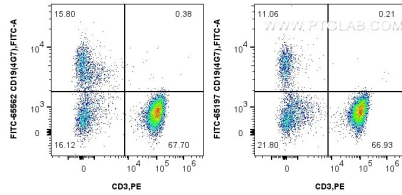
For technical support and original validation data for this product please contact:

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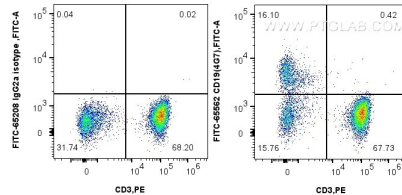
E: proteintech@ptglab.com
W: ptglab.com

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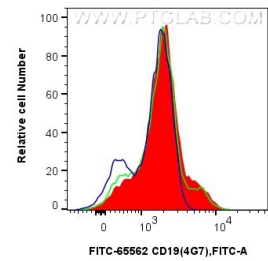
Selected Validation Data



1x10⁶ human PBMCs were surface stained with PE Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (PE-65569, Clone: OKT3) and 5µl FITC Plus Anti-Human CD19 (4G7) Mouse IgG2a RecAb (FITC-65562, Clone:4G7)(left),and 5µl FITC Plus Anti-Human CD19 (4G7) (FITC-65197, Clone: 4G7) (right), or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4), Cells were not fixed.



1x10⁶ human PBMCs were surface stained with PE Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (PE-65569, Clone: OKT3) and 5µl FITC Plus Anti-Human CD19 (4G7) Mouse IgG2a RecAb (FITC-65562, Clone:4G7), or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with FITC Plus Anti-Human CD19 (4G7) Mouse IgG2a RecAb (FITC-65562, Clone:4G7)(red),and 5µl FITC Plus Anti-Human CD19 (4G7) (FITC-65197, Clone: 4G7)(green), or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4) (blue). Cells were not fixed.