

For Research Use Only

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



Catalog Number: 65562-1-MR

Basic Information

Catalog Number: 65562-1-MR	GenBank Accession Number: BC006338	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 930	CloneNo.: 4G7
Source: Mouse	ENSEMBL Gene ID: ENSG00000177455	
Isotype: IgG2a	UNIPROT ID: P15391	
	Full Name: CD19 molecule	
	Calculated MW: 556 aa, 61 kDa	

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. 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:

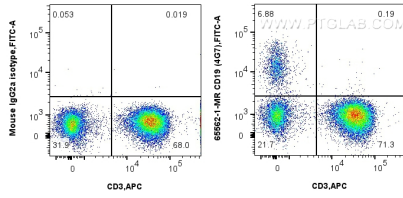
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.5 ug Anti-Human CD19 Mouse Recombinant Antibody (65562-1-MR, Clone:4G7) or 0.5 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C.1.18.4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Cells were then stained with APC Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.