APC-Cyanine7 Anti-Mouse CD19 Rabbit Recombinant Antibody

Catalog Number:AY7-98287

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Basic Information

Catalog Number: AY7-98287	**GenBank Accession Number:** NM_009844.2	**Purification Method:** Protein A purification
Concentration: 100ug, 200 ug/ml	**GeneID (NCBI):** 12478	**CloneNo.:** 242301C6
Source: Rabbit	**UNIPROT ID:** P25918	**Excitation/Emission maxima wavelengths:** 650 nm / 778 nm
Isotype: IgG	**Full Name:** CD19 antigen	
Immunogen Catalog Number: EG3194	**Calculated MW:** 60 kDa	

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).
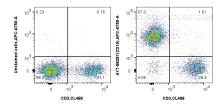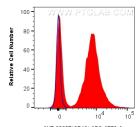
Storage

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

Selected Validation Data

1x10^6 mouse splenocytes were surface stained with 0.1 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) (CL488-65077, Clone: 17A2), and 0.1 ug APC-Cyanine7 Anti-Mouse CD19 Rabbit RecAb (AY7-98287, Clone: 242301C6) or unstained. Cells were not fixed.

1x10^6 mouse splenocytes were surface stained with 0.1 ug APC-Cyanine7 Anti-Mouse CD19 Rabbit RecAb (AY7-98287, Clone:242301C6) (red) or unstained (blue). Cells were not fixed.