

Biotin Rabbit anti-Mouse CD4 mAb

Catalog No.: A27320

Basic Information

Observed MW

Calculated MW

51kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC64069

Conjugate

Biotin

Background

Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule).

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

12504

Swiss Prot

P06332

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

L3T4; Ly-4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

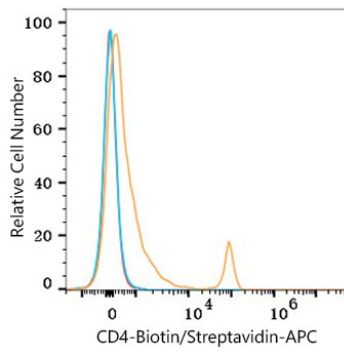
Affinity purification

Storage

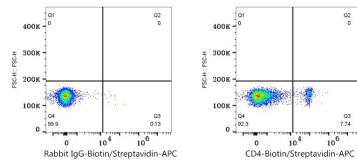
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with Biotin Rabbit anti-Mouse CD4 mAb (A27427, 5 μ l/Test, orange line) or Biotin Rabbit IgG isotype control (A25626, 5 μ l/Test, blue line), followed by APC Streptavidin staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with Biotin Rabbit IgG isotype control (A25626, 5 μ l/Test, left) or Biotin Rabbit anti-Mouse CD4 mAb (A27427, 5 μ l/Test, right), followed by APC Streptavidin staining.

