

Syrian Hamster anti-Mouse CD28 mAb

Catalog No.: A27914

Basic Information

Observed MW

Calculated MW

25kDa

Category

Primary antibody

Applications

FC, in vitro T cell stimulation/activation

Cross-Reactivity

Mouse

CloneNo number

BE0015-1

Background

Enables protein kinase binding activity. Acts upstream of or within several processes, including positive regulation of immune response; positive regulation of intracellular signal transduction; and regulation of lymphocyte activation. Located in external side of plasma membrane and immunological synapse. Human ortholog(s) of this gene implicated in multiple sclerosis and type 1 diabetes mellitus. Orthologous to human CD28 (CD28 molecule).

Recommended Dilutions

FC Recommended starting concentration is 2 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

12487

Swiss Prot

P31041

Immunogen

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

Synonyms

Cd28

Contact

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Product Information

Source

Syrian Hamster

Isotype

Syrian Hamster IgG2

Purification

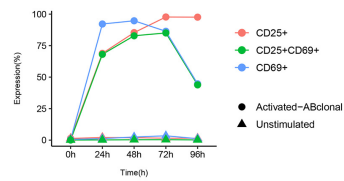
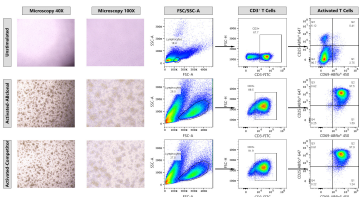
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative.
Endotoxin Level: Less than 0.01 EU/µg of the protein (< 0.001 ng/µg of the protein) as determined by the LAL test.

Validation Data



C57BL/6 mouse splenocytes were activated using Armenian Hamster anti-Mouse CD3 mAb (A27913,2ug/ml) and Syrian Hamster anti-Mouse CD28 mAb (A27914,2ug/ml), or competitor's CD3/CD28 antibody for 72 hours. The unstimulated control was performed without treatment. Cells were fluorescently stained with FITC Anti-Mouse CD3e mAb (A23322,5 µL/Test), ABflo® 647 Rabbit anti-Mouse CD25 mAb (A23808,5 µL/Test), ABflo® 450 Rabbit anti-Mouse CD69 mAb (A26449,5 µL/Test). The degree of T cell activation are defined as CD25+CD69+ cells on CD3+ T cells gate.

The expression of CD25 and CD69 in mouse CD3+ T Cells changes with activation time using Mouse T Cell Activation Kit (Anti-CD3/CD28) (RK40101,2ug/ml).