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CD40 Rabbit mAb

Catalog No.: A20214 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
31kDa

Category
Primary antibody

Applications
FC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC5133-01

Background

This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Recommended Dilutions

FC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
958

Swiss Prot
P25942

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 21-193 of human CD40 (P25942).

Synonyms
p50; Bp50; CDW40; TNFRSF5; CD40

Contact

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Product Information

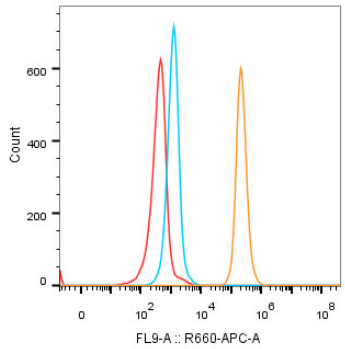
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,pH7.3.

Validation Data



Flow cytometric analysis of CD40 Rabbit mAb Cocotail (1:100 dilution) in Daudi cells (Orange) compare to rabbit IgG Isotype control (Blue) and non-staining control (Red).