Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rabbit anti-Human CD40 mAb

Catalog No.: A22641

Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
31kDa

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Human, Cynomolgus

Clone No.
ARC57632

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	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
958

Swiss-Prot
P25942

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

Synonyms
p50; Bp50; CDW40; TNFRSF5

Contact

400-999-6126
cn.market@abclonal.com.cn
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Product Information

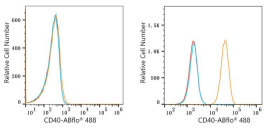
Source
Rabbit

Isotype
IgG

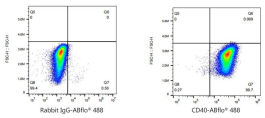
Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

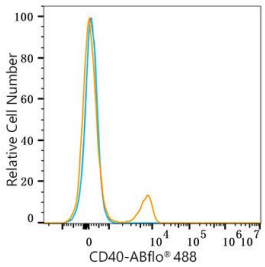
Validation Data



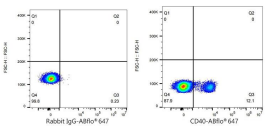
Flow cytometry:1X10^6 Jurkat cells (negative control,Left) and U-2OS cells (Right) were surface-stained with ABflo® 488 Rabbit anti-Human CD40 mAb(A22641,5 µl /Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:1X10^6 U-2OS cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD40 mAb(A22641,5 µl/Test,right).



Flow cytometry:1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD40 mAb(A22641,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD40 mAb(A22641,5 µl/Test,right).