

CD40 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2936
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD40 (AA: extra(21-193)) expressed in E. Coli.
Mol wt	30.6kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	p50;Bp50;CDW40;TNFRSF5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. [provided by RefSeq, Nov 2014]

Recommended Dilution

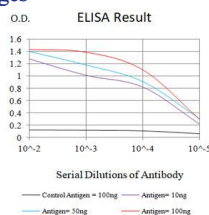
WB: 1:500 - 1:2000

FCM: 1:200-1:400

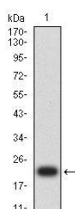
ELISA: 1:10000

Not yet tested in other applications.

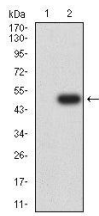
Images



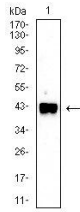
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



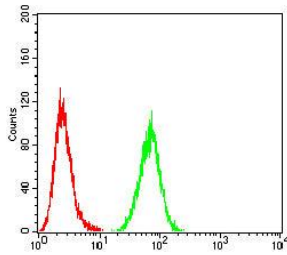
Western blot analysis using CD40 mAb against human CD40 (AA: extra(21-193)) recombinant protein. (Expected MW is 22 kDa)



Western blot analysis using CD40 mAb against HEK293-6e (1) and CD40 (AA: extra(21-193))-hlgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using CD40 mouse mAb against Raji cell lysate.



Flow cytometric analysis of Raji cells using CD40 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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