

## CD40 Monoclonal Antibody

### Description

Product type	Antibody
Code	BT-MCA2095
Host	Mouse
Isotype	Mouse IgG1
Size	100 $\mu$ L, 50 $\mu$ L
Immunogen	Purified recombinant fragment of CD40 expressed in E. Coli.
Mol wt	30.6kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	ICC
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

CD40 molecule, TNF receptor superfamily member 5. It is a member of the TNF-receptor superfamily. This receptor has been found to be essential in 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. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

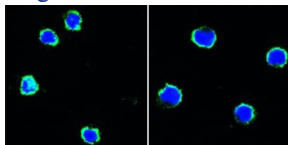
### Recommended Dilution

ICC: 1:200 - 1:1000

ELISA: 1:10000

Not yet tested in other applications.

### Images



Confocal Immunofluorescence analysis of human peripheral blood lymphocytes (left) and mouse L1210 cells (right) using CD40 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

### Storage

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