

## Datasheet for ABIN969025 **anti-CD40 antibody**



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### Overview

Quantity:	100 µL
Target:	CD40
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD40 antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC)

### Product Details

Immunogen:	Purified recombinant fragment of CD40 expressed in E. coli.
Clone:	9G10
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	CD40
Alternative Name:	CD40 ( <a href="#">CD40 Products</a> )
Background:	Description: 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

## Target Details

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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.

Aliases: p50, Bp50, CDW40, TNFRSF5

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Gene ID: 958

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HGNC: 958

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Pathways: [NF-kappaB Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [M Phase](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

## Application Details

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Application Notes: ELISA: 1:10000, ICC: 1:200 - 1:1000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Ascitic fluid containing 0.03 % sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

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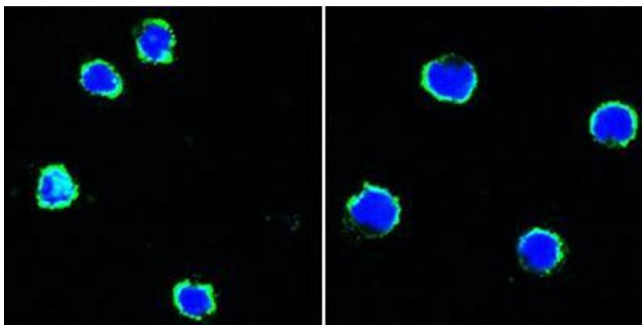
Storage Comment: 4°C, -20°C for long term storage

## Publications

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Product cited in: Linderoth, Jerkeman, Cavallin-Ståhl, Kvaløy, Torlakovic: "Immunohistochemical expression of CD23 and CD40 may identify prognostically favorable subgroups of diffuse large B-cell lymphoma: a Nordic Lymphoma Group Study." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 9, Issue 2, pp. 722-8, (2003) ([PubMed](#)).

Hakkarainen, Hemminki, Pereboev, Barker, Asiedu, Strong, Kanerva, Wahlfors, Curiel: "CD40 is expressed on ovarian cancer cells and can be utilized for targeting adenoviruses." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 9, Issue 2, pp. 619-24, (2003) ([PubMed](#)).



### Immunofluorescence

**Image 1.** Confocal immunofluorescence analysis of human peripheral blood lymphocytes (left) and mouse L1210 cells (right) using CD40 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.