



[Go to Product page](#)

Datasheet for ABIN5684134
anti-CD40 antibody (AA 21-193)

4 Images

Overview

Quantity:	0.1 mg
Target:	CD40
Binding Specificity:	AA 21-193
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD40 (AA: extra 21-193) expressed in E. coli.
Clone:	4E1B9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD40
Alternative Name:	CD40 (CD40 Products)
Background:	Description: 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

Target Details

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.

Aliases: p50, Bp50, CDW40, TNFRSF5

Molecular Weight: 30.6 kDa

Gene ID: 958

HGNC: 11119

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

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A

Restrictions: For Research Use only

Handling

Format: Liquid

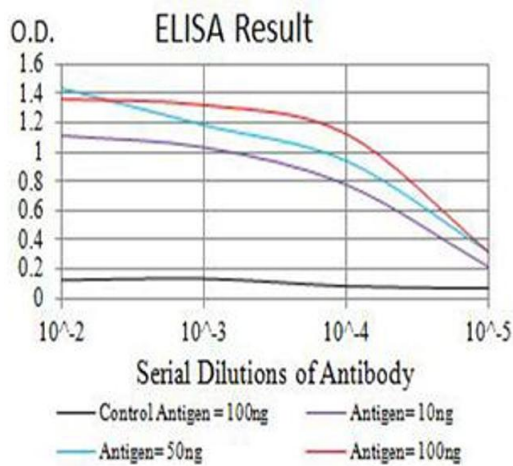
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

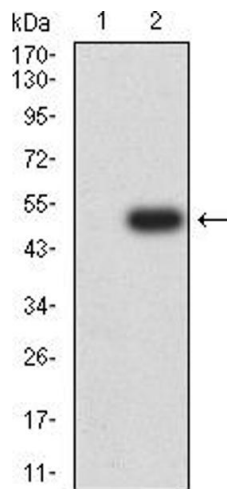
Storage: 4 °C/-20 °C

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



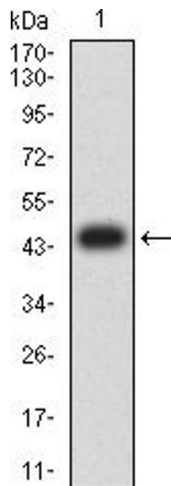
ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

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



Western Blotting

Image 3. Western blot analysis using CD40 mAb against human CD40 (AA: extra 21-193) recombinant protein. (Expected MW is 45.1 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5684134.