

Datasheet for ABIN5668238

## Recombinant anti-CD40 antibody



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### 3 Images

#### Overview

Quantity:	200 µg
Target:	CD40
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD40 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunoprecipitation (IP), Activation (Act)

#### Product Details

Purpose:	Anti-CD40 [G28.5], Rabbit IgG, kappa
Immunogen:	Human erythrocyte-rosette-negative tonsillar lymphocytes.
Clone:	G28-5
Isotype:	IgG kappa
Specificity:	48 kD Type I glycoprotein, a member of the TNFR superfamily primarily expressed on normal or malignant B cells or B cell lines, macrophages, follicular dendritic cells, endothelial cells, fibroblasts, and at low levels on plasma cells.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1

## Product Details

Purification: Protein A affinity purified

## Target Details

Target: CD40

Alternative Name: CD40 ([CD40 Products](#))

Background: TNFRS5, Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor CDw40, CD154R

UniProt: [P25942](#)

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: This antibody detects CD40 by immunostaining. The original mouse IgG1 format was shown to stimulate B-cells (Bishop 2012 and references therein).

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

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

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Flow Cytometry

**Image 1.** Flow-cytometry using anti-CD40 antibody G28.5 Human lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of G28.5 ( panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.

Flow Cytometry

**Image 2.** Flow-cytometry using anti-CD40 antibody G28.5 Rhesus monkey lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of G28.5 (panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.

Flow Cytometry

**Image 3.** Flow-cytometry using anti-CD40 antibody G28.5 Cynomolgus monkey lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of G28.5 ( panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.

