



Datasheet for ABIN6720056

## CD40 ELISA Kit



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### 1 Image

#### Overview

Quantity:	1 kit
Target:	CD40
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: B cell associated molecule B cell associated molecule CD40, B cell surface antigen CD40, Bp50, CD40 antigen, CD40 Molecule, CD40 Molecule TNF receptor superfamily member 5, CD40 protein, CD40 type II isoform, CD40L receptor, Nerve growth factor receptor related B lymphocyte activation molecule, NFRSF5, p50, T BAM, TBAM, TNF receptor superfamily member 5, TNFRSF5, TRAP, Tumor necrosis factor receptor superfamily member 5, Tumor necrosis factor receptor superfamily member 5 precursor</p> <p>Background: CD40 is a cell surface receptor that is expressed on the surface of all mature B cells, most mature B-cell malignancies, and some early B-cell acute lymphocytic leukemias, but</p>

## Product Details

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is not expressed on plasma cells. The CD40 gene is localized to the long arm of chromosome 20, bands q12-q13.2. The protein encoded by this gene 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.

Gene Name: CD40

Production: Natural and recombinant mouse CD40. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: V24-R193

## Target Details

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Target:	CD40
Alternative Name:	CD40 - TNFRSF5 ( <a href="#">CD40 Products</a> )
Gene ID:	21939
NCBI Accession:	<a href="#">NP_035741</a>
UniProt:	<a href="#">P27512</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">M Phase</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse CD40 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, cell lysates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CD40 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

## Application Details

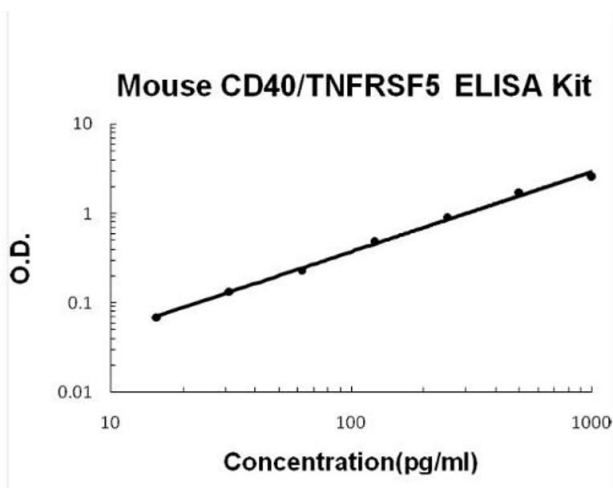
Restrictions: For Research Use only

## Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Mouse CD40/TNFRSF5 Accusignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.