

Datasheet for ABIN6941185

**anti-CD40 antibody**

5 Images

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## Overview

Quantity:	100 µg
Target:	CD40
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD40 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM), DNA Microscopy (DNA Mic)

## Product Details

Immunogen:	Recombinant full-length human CD40 protein
Clone:	C40-1605
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	CD40
Alternative Name:	CD40 ( <a href="#">CD40 Products</a> )
Background:	CD40 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 immunoglobulin class switching, memory B cell development, and germinal center formation.

## Target Details

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. CD40 is expressed on B-lymphocytes, follicular dendritic cells, bone marrow-derived dendritic cells, thymic epithelium, and interdigitating cells in the T-cell zones of secondary lymphoid organs.

Molecular Weight:	43kDa
Gene ID:	958
UniProt:	<a href="#">P25942</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

Application Notes:	Positive Control: U2OS, L-428 cells. Tonsil, Spleen or Thymus. Known Application: Immunofluorescence (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

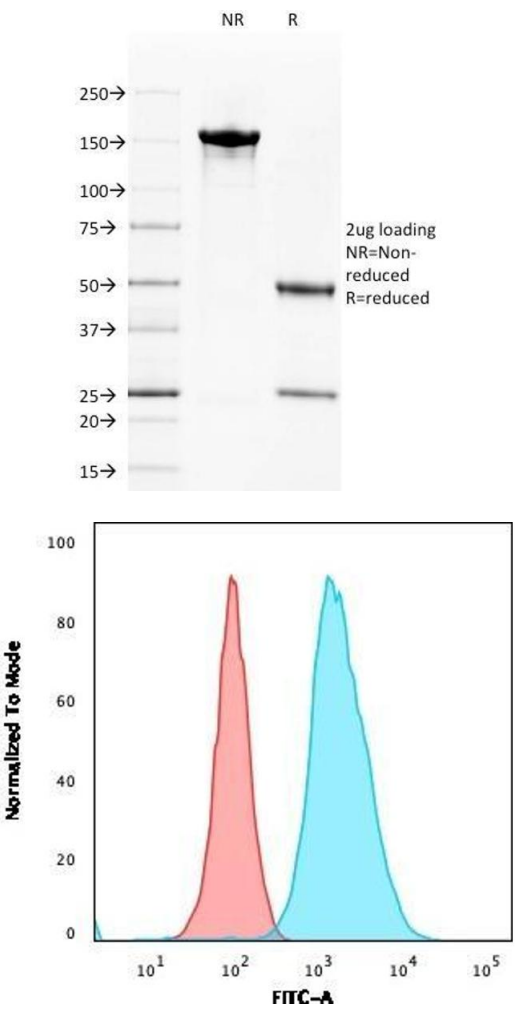
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images

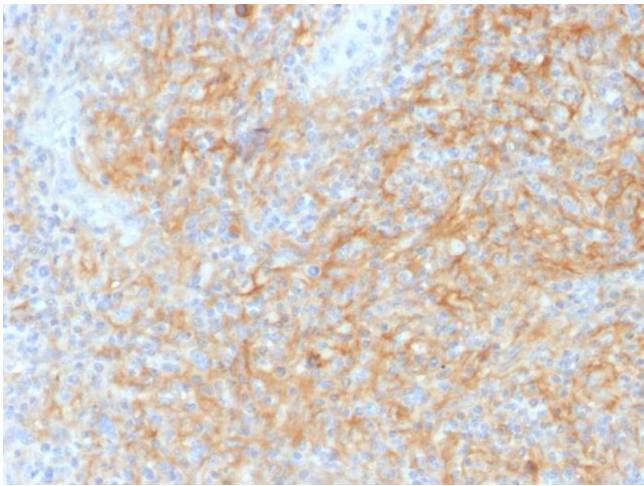


SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD40 Mouse Monoclonal Antibody (C40/1605). Confirmation of Integrity and Purity of Antibody.

Flow Cytometry

**Image 2.** Flow Cytometric Analysis of U2OS cells using CD40 Mouse Monoclonal Antibody (C40/1605) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Hodgkins Lymphoma stained with CD40 Mouse Monoclonal Antibody (C40/1605).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941185.