SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human CD40 (CD40 molecule) for Antibody Discovery

Cat. No.: **MP1565J**
This product is for research use only and is not intended for diagnostic use.

This product is a 20.2 kDa Human CD40 membrane protein expressed in Mammalian cell. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CD40

Protein Length
Partial (21-193aa)

Protein Class
Drug Target

Molecular Weight
20.2 kDa

Sequence
EPPTACREKQYLINSQCCSLCQPGQKLVSDCTEFTETECLPCGESEFLDTWNRETHCHQHKYCDPNLGLRVQQKGTSETDTICTC

Product Description

Activity
Yes

Expression Systems
Mammalian cell

Tag
C-6xHis

Form
Lyophilized powder

Reconstitution
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-58% of glycerol (final concentration).

Endotoxin

<1.0 EU/μg

Purity

>95% as determined by SDS-PAGE

Buffer

0.2 μm filtered 20 mM PB, 150 mM NaCl, pH 7.4

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CD40

Full Name

CD40 molecule

Introduction

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 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.

Alternative Names

AI326936; B cell associated molecule CD40; B cell surface antigen CD40; B cell-associated molecule; B-cell surface antigen CD40; Bp50; CD 40; CD40; CD40 antigen (TNF receptor superfamily member 5); CD40 antigen; CD40 molecule; CD40 molecule, TNF receptor superfamily member 5; CD40 protein; CD40 type II isoform; CD40L receptor; CDw40; GP39; HIGM1; IGM; IMD3; MGC9013; Nerve growth factor receptor related B lymphocyte activation molecule; OTTHUMP00000031699; OTTHUMP00000031700; p50; T-BAM; TBAM; TNF receptor superfamily member 5; TNFRSF5; TNR5_HUMAN; TRAP; Tumor necrosis factor receptor superfamily, member 5; Tumor necrosis factor receptor superfamily member 5; Tumor necrosis factor receptor superfamily member 5 precursor; Tumor necrosis factor receptor superfamily, member 5, isoform CRA_a; p50; Bp50; CDW40; TNFRSF5

Gene ID

958

UniProt ID

P25942