

ARG20930 anti-CD40 antibody [1C10] (low endotoxin)

Package: 250 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Rat Monoclonal antibody [1C10] recognizes CD40
Tested Reactivity	Ms
Tested Application	BL, Cell-Act , FACS, IP
Specificity	Mouse CD40.
Host	Rat
Clonality	Monoclonal
Clone	1C10
Isotype	IgG2a, kappa
Target Name	CD40
Antigen Species	Mouse
Immunogen	sCD40
Conjugation	Un-conjugated
Alternate Names	CDw40; CD antigen CD40; Tumor necrosis factor receptor superfamily member 5; Bp50; CD40L receptor; CDW40; TNFRSF5; p50; B-cell surface antigen CD40

Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	Cell-Act	Assay-dependent
	FACS	Assay-dependent
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	31 kDa	

Properties

Form	Liquid
Purification Note	Low endotoxin
Buffer	PBS
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 21939 Mouse](#)

[Swiss-port # P27512 Mouse](#)

Gene Symbol

CD40

Gene Full Name

CD40 antigen

Background

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. [provided by RefSeq, Nov 2014]

Function

Receptor for TNFSF5/CD40LG. Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion. [UniProt]

Research Area

Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Pro-B Cell Marker antibody; Pre-B Cell Marker antibody