

## ARG20928 anti-CD40 antibody [1C10] (APC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	APC-conjugated Rat Monoclonal antibody [1C10] recognizes CD40
Tested Reactivity	Ms
Tested Application	BL, Cell-Act , FACS
Specificity	Mouse CD40.
Host	Rat
Clonality	Monoclonal
Clone	1C10
Isotype	IgG2a, kappa
Target Name	CD40
Antigen Species	Mouse
Immunogen	sCD40
Conjugation	APC
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	< 0.5 µg/10 <sup>6</sup> cells
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
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

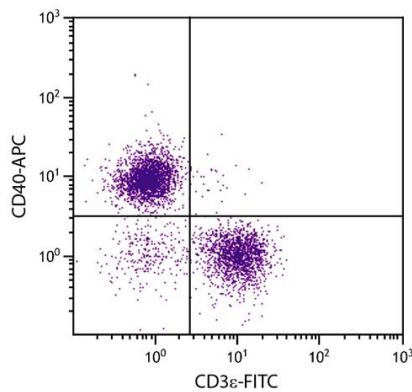
gently mixed before use.

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

## Bioinformation

Database links	<a href="#">GeneID: 21939 Mouse</a> <a href="#">Swiss-port # P27512 Mouse</a>
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

## Images



ARG20928 anti-CD40 antibody [1C10] (APC) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20928 anti-CD40 antibody [1C10] (APC) and [ARG20817](#) anti-CD3ε antibody [C363.29B] (FITC).