abcam

ab25567

APC Anti-CD40 antibody [1C10]

Anti-CD40 antibody [1C10] conjugated to APC - suitable for flow cytometry, and reacts with mouse samples. Clone [1C10] is a rat monoclonal antibody cited in 59 publications.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Isotype	IgG2a
Host species	Rat
Conjugation	APC
Excitation/Emission	Ex: 650nm, Em: 660nm
Storage buffer	pH: 7.3 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human CD40. The exact immunogen used to generate this antibody is proprietary information. Database link P25942
Clone number	1C10
Purification technique	Affinity purification
Light chain type	kappa
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information CD40

Function	Receptor for TNFSF5/CD40LG (PubMed:31331973). Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Store in the dark

Notes

This agonistic antibody closely resembles the gp39/CD40 ligand in it's ability to stimulate the proliferation of small, resting B lymphocytes in the absence of other cofactors. This antibody has been shown to be useful in studies of the 'in vitro' induction of proliferation of mature B lymphocytes.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

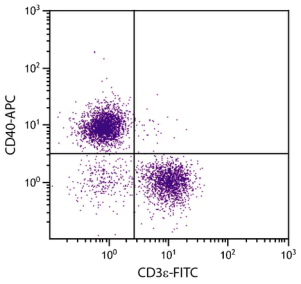
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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1 product image



Flow Cytometry - APC Anti-CD40 antibody [1C10] (ab25567)

CD40 Flow Cytometry staining using rat Anti-CD40 antibody

Flow cytometric analysis of BALB/c mouse splenocytes labeling CD40 using ab25567 at 0.1 µg/10^6 cells in 100 µL. CD3ε is labeled using a Rat Anti-Mouse CD3ε (FITC) antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.