abcam

ab25044

PE/Cy5® Anti-CD40 antibody [1C10]

Anti-CD40 antibody [1C10] conjugated to PE/Cy5® - suitable for flow cytometry, FuncS, IP, and reacts with mouse samples. Clone [1C10] is a rat monoclonal antibody cited in 59 publications.

Key facts

Isotype	IgG2a
Host species	Rat
Conjugation	PE/Cy5®
Excitation/Emission	Ex: 496nm, Em: 667nm
Storage buffer	pH: 7.1 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose, 0.2% Gelatin
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

IP

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	-
Notes	-

FuncS

Expected

Species	Mouse
Dilution info	-
Notes	In vitro induction of proliferation of mature B lymphocytes.

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 antibody closely resembles the gp39/CD40 ligand in its ability to stimulate proliferation of small, resting B lymphocytes in the absence of other cofactors.

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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

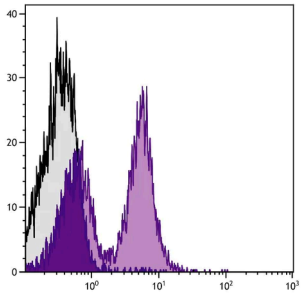
We do not recommend this combination. It is not covered by our product promise.

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.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Flow Cytometry - PE/Cy5® Anti-CD40 antibody [1C10] (ab25044)

CD40 Flow Cytometry staining of BALB/c mouse splenocytes using rat Anti-CD40 antibody

BALB/c mouse splenocytes were stained with Rat Anti- Mouse CD40-PE/Cy5 (ab25044). The grey peak represents an isotype control. The purple peaks represents the negative (Left) and positive (right) datasets.

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