

Manufacturer/Supplier:

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Product name: Anti-Mouse CD40 Monoclonal Antibody(PE
Conjugated)

Catalog: DL20450F

Synonyms: Tumor necrosis factor receptor superfamily member
5, Cd40, B-cell surface antigen CD40, Bp50, CD40L
receptor, CD40, Tnfrsf5

Background: CD40 is a 48 kD type I transmembrane glycoprotein
also known as Bp50. It is a member of the tumor
necrosis factor receptor (TNFR) superfamily and is
expressed on B cells, basal epithelial cells,
macrophages, follicular dendritic cells, endothelial
cells, and a subset of CD34+ hematopoietic
progenitors. CD40 regulates B cell
development/maturation, Ig isotype switching and, in
combination with other signals such as IL-4, protects

B cells from surface Ig-induced apoptosis and promotes proliferation. Interaction of CD40 with its ligand CD154 (gp39), which is expressed on activated T cells, is important in costimulation and immune regulation.

Form: Liquid

Isotype: Rat IgG2a, κ

Size: 25 μ g/100 μ g

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: PE

SwissProt: P27512

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

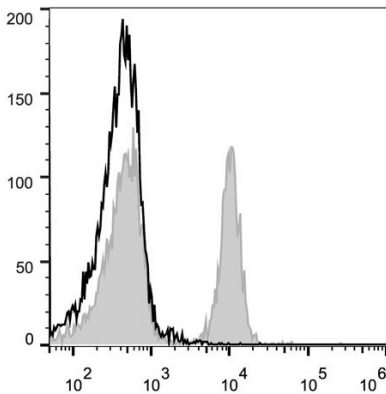
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1

$\mu\text{g}/10^6\text{cells}$ in 100 μL volume].

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD40 Monoclonal Antibody(PE Conjugated)[Used at 0.02 $\mu\text{g}/10^6$ cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.