

Manufacturer/Supplier:

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Product name: Anti-Human CD40 Monoclonal Antibody(AF488
Conjugated)

Catalog: DL20566F

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 glycoprotein also known as
BP50. It is a member of the TNFR superfamily
primarily expressed on B cells, macrophages,
follicular dendritic cells, endothelial cells,
fibroblasts, and at low levels on plasma cells. CD40
has been reported to be involved in B cell
differentiation, costimulation, isotype
class-switching, and protection of B cells from
apoptosis. Additionally, CD40 is important for T

cell-B cell interactions. The ligand of CD40 is CD154 (CD40 ligand). The 5C3 antibody has been reported to promote B cell proliferation in the presence of anti-IgM, IL-4 or PMA, partially blocking CD40 binding to CD40L, and B cells rescue from apoptosis.

Form: Liquid

Isotype: Mouse IgG2a, κ

Size:

Host: Mouse

20Tests/100Tests/100Tests \times 2

Reactivity: Human

Application: FCM

Concentration: 5 μ L

Conjugation: AF488

SwissProt: P25942

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

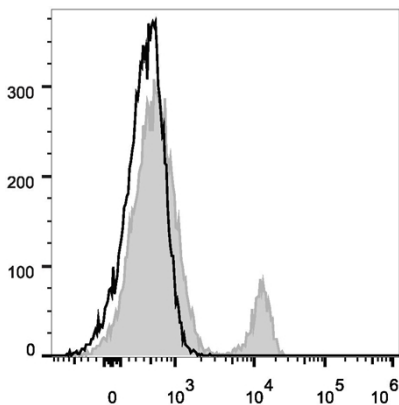
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment.

Since applications vary, the appropriate dilutions must be determined for individual use.

Data:

Human peripheral blood lymphocytes are stained with Anti-Human CD40 Monoclonal Antibody(AF488 Conjugated)(filled gray histogram). Unstained lymphocytes (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.