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

Catalog: DL20560F

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: 20 Tests/50 Tests/100 Tests/200 Tests

Host: Mouse

Reactivity: Human

Application: FCM

Concentration:

Conjugation: APC

SwissProt: P25942

Buffer: PBS with 0.05% Proclin300, 1% BSA

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with 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(APC 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.