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**Product name:** Anti-Human CD40 Monoclonal  
Antibody(PE/Cyanine5.5 Conjugated)

**Catalog:** DL20564F

**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,  $\kappa$

**Size:** 20 Tests/50 Tests/100 Tests/200 Tests

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:**

**Conjugation:** PE/Cyanine5.5

**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  $\mu$ L of antibody per test (million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood). Please check your vial before the experiment. Since applications vary, the

appropriate dilutions must be determined for individual use.

**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.