Store at 4°C

FITC Anti-Mouse CD40 Monoclonal Antibody

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精准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M10401-02B	50 μg
M10401-02E	500 μg

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

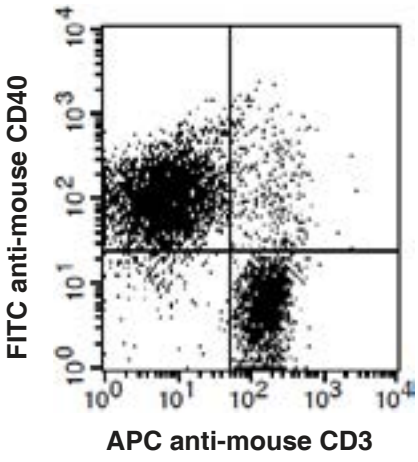
Purified Antibody Characterization

Clone	Isotype	Reactivity
FGK4.5	Rat IgG2a	Mouse

Description

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.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with
FITC anti-mouse CD40 and APC anti-mouse CD3

Product Information

Conjugation: FITC

Formulation: PBS pH 7.2, 0.09% NaN_3, 0.2% BSA

Concentration: 0.5 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: 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 ≤ 1.0 μg /10^6 cells in 100 μl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Barclay A, et al. 1997. The Leukocyte Antigen FactsBook Academic Press.
[2] Bancherou J, et al. 1994. Annu. Rev. Immunol. 12:881.
[3] Clark EA, et al. 1996. P. Natl. Acad. Sci. USA 83:4494.

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