Product Datasheet

Biotin Anti-Mouse CD40 Antibody [FGK4.5/FGK45]

Catalogue Code: AGEL0141

Antibody Data

Product SKU:	**AGEL0141**	**Clone:**	**FGK4.5/FGK45**
Applications:	**FCM**		
Reactivity:	**Mouse**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: Tumor necrosis factor receptor superfamily member 5;Cd40;B-cell surface antigen CD40;Bp50;CD40L receptor;CD40;Tnfrsf5;

Uniprot ID: P27512

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

Conjugation: Biotin

Size: 25µg, 100µg

Host Species: Rat

Isotype: Rat IgG2a, κ

Isotype Control: Biotin Rat IgG2a, κ Isotype Control[2A3] [Product AGEL0141]

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

Shipping: Biological ice pack at 4℃

Stability & Storage:	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.
Recommended Usage:	Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 106 cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.