

Biotin Anti-Human CD40 Antibody[G28.5]

Catalog Number: E-AB-F1214B

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

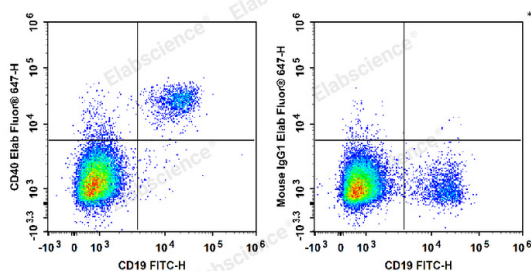
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	G28.5
Isotype Control	Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B]
Conjugation	Biotin
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 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.
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Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD19 Antibody and Biotin Anti-Human CD40 Antibody followed by Streptavidin-Elab Fluor® 647 (Left). Lymphocytes are stained with FITC Anti-Human CD19 Antibody and Biotin Mouse IgG1, κ Isotype Control followed by Streptavidin-Elab Fluor® 647 (Right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Bp50;CD40L receptor;CDw40;TNFRSF5
Uniprot ID	P25942
Gene ID	958

For Research Use Only

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).