

## Biotin Anti-Human/Monkey CD154/CD40L Antibody[5C8]

Catalog Number: GFH1128B

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

### Description

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Reactivity      | Human;Monkey                                                                 |
| Host            | Mouse                                                                        |
| Isotype         | Mouse IgG2a, $\kappa$                                                        |
| Clone No.       | 5C8                                                                          |
| Isotype Control | Biotin Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09803B] |
| Conjugation     | Biotin                                                                       |
| Storage Buffer  | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.          |

### Applications Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                           |
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| 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 $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
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### Preparation & Storage

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

### Antigen Information

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| Alternate Names | T-BAMTNFSF5TRAPgp39;CD40L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene ID         | 959                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Background      | CD154 (CD40 ligand) is also known as CD40L, gp39, TRAP and T-BAM. CD40 ligand is a 32-39 kD type II transmembrane glycoprotein. It is a member of the TNF superfamily and is expressed on activated T cells. It has been reported to be important for B cell costimulation following binding of its receptor, CD40. Additionally, binding of CD40L to CD40 on B cells promotes the secretion of immunoglobulin and Ig isotype switching. CD40L is also involved in the regulation of cytokine production by T cells. |