

## Rat anti-Mouse CD40 Monoclonal Antibody | anti-CD40 antibody

Anti-Mouse CD40 Monoclonal Antibody (Alexa Fluor 647 Conjugated)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS                     |
|-----------|------|------------|----------------------------------|
| AAA174613 | Rat  | Mouse      | Flow Cytometry, Functional Assay |

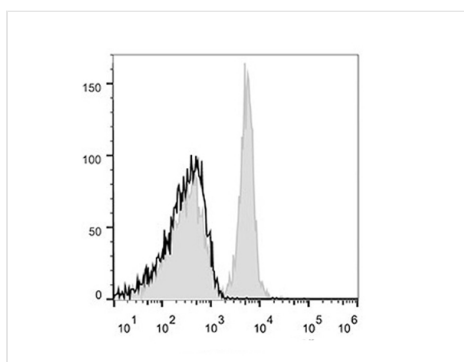
### PRODUCT SYNONYMS

CD40; Monoclonal Antibody; Anti-Mouse CD40 Monoclonal Antibody (Alexa Fluor 647 Conjugated); Tumor necrosis factor receptor superfamily member 5; Cd40; B-cell surface antigen CD40; Bp50; CD40L receptor; Tnfrsf5; anti-CD40 antibody

### PRODUCT SPECIFICATIONS

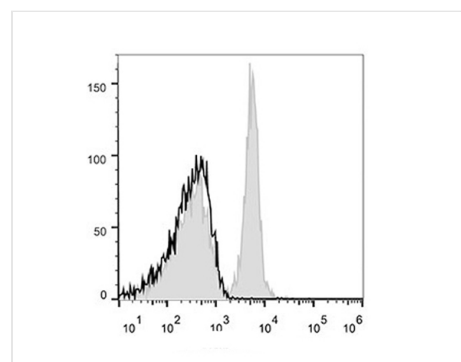
|                                                |                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------|
| Host                                           | Rat                                                                                  |
| Reactivity                                     | Mouse                                                                                |
| Clonality                                      | Monoclonal                                                                           |
| Isotype                                        | IgG2a                                                                                |
| Clone Number                                   | FGK4.5/FGK45                                                                         |
| Form/Format                                    | Liquid; PBS with 0.05% Proclin300, 1% BSA                                            |
| Sequence Length                                | 289                                                                                  |
| Applicable Applications for anti-CD40 antibody | FCM/FACS (Flow Cytometry)                                                            |
| Conjugation                                    | Alexa Fluor 647                                                                      |
| Preparation and Storage                        | Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze. |

### IMAGES



FCM/FACS (Flow Cytometry)

C57BL/6 murine splenocytes are stained with Anti-Mouse CD40 Monoclonal Antibody(Alexa Fluor 647 Conjugated)(filled gray histogram) or isotype control(empty black histogram).



FCM/FACS (Flow Cytometry)

Flow cytometry antibody

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD40 antibody | 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. |
| References                                         | 1. Hasbold J, Johnson-Leger C, Atkins CJ, Clark EA, Klaus GG. Eur J Immunol. 1994; 24(8):1835-1842. 2. Hasbold J, Klaus GG. Eur J Immunol. 1994; 24(1):152-157. 3. Klaus GG, Holman M, Hasbold J. Eur J Immunol. 1994; 24(11):2714-2719. 4. Noelle RJ, Ledbetter JA, Aruffo A. Immunol Today. 1992; 13(11):431-433. 5. Parry SL, Hasbold J, Holman M, Klaus GG. J Immunol. 1994; 152(6):2821-2829.                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 172046819                                                         |
| NCBI GeneID                      | 21939                                                             |
| UniProt Accession #              | P27512                                                            |
| NCBI Official Full Name          | Tumor necrosis factor receptor superfamily member 5               |
| NCBI Official Synonym Full Names | CD40 antigen                                                      |
| NCBI Official Symbol             | Cd40                                                              |
| NCBI Official Synonym Symbols    | IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936 |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 5               |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 5               |
| UniProt Gene Name                | Cd40                                                              |
| UniProt Synonym Gene Names       | Tnfrsf5                                                           |
| UniProt Entry Name               | TNR5_MOUSE                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd40-antibody-clone-fgk4-5-fgk45-flow-cytometry-elisa/174613>