

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

anti-human CD40-Purified Preservative Free

|                              |                      |                                 |                                                                |
|------------------------------|----------------------|---------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA78177</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>ELISA, Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------|----------------------------------------------------------------|

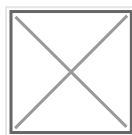
### PRODUCT SYNONYMS

CD40; Monoclonal Antibody; anti-human CD40-Purified Preservative Free; Monoclonal anti-human CD40; anti-CD40 antibody

### PRODUCT SPECIFICATIONS

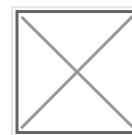
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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                   | EA-5                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                            | Purified Preservative Free                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                    | 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                | 117                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-CD40 antibody | ELISA, FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Performance                                    | Five x 10 <sup>5</sup> cultured Raji human tumor cells were incubated 45 minutes on ice with 80 ul of anti-CD40 antibody at 5 ug/ml. Cells were washed twice and incubated with 2 degree reagent Goat anti-Mouse IgG/FITC, after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.46 log10 fluorescent units when compared to a Mouse IgG1 negative control at a similar concentration. |
| Production                                     | Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2u sterile filtered and viald under aseptic conditions.                                                                                                                                                                                              |
| Buffer                                         | 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen                                      | Murine L cells transfectants expressing human CD40                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                        | Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Open under aseptic conditions.                                                                                                                                                                                                                                                                                                                                                           |

### IMAGES



#### Application Data

Binding of Anti-CD40 mAb + GAM/FITC to humn Raji cells.



#### Application Data

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD40 antibody | <b>Information:</b> Human CD40 is a member of the tumor necrosis factor (TNF) receptor family and is present on all B cells except plasma cells. CD40 is also found on some epithelial cells, carcinomas and lymphoid dendritic cells. CD40 plays an important role in B cell activation and the interaction with its ligand (CD40 Ligand) is essential for isotype switching. Antibody EA-5 recognizes the CD40 molecule of about 44 kd. Binding of cross linked EA-5 will partially activate B cells. |
| References                                         | C.L. Law, B. Worman & T.W. LeBien, (1990) Leukemia 4: 732-738. W.C. Fanslow, et al, (1992) J Immunol 149: 655-660. A.W. Larson & T.W. LeBien, (1994) J Immunol 153: 584-594. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 547-556. E. Lindhout, (1995) J Exp Med 181: 1985-1995.                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                         |               |
|-------------------------|---------------|
| NCBI GI #               | 114053977     |
| Molecular Weight        | 13,158 Da     |
| NCBI Official Full Name | CD40, partial |
| UniProt Protein Name    | CD40          |
| UniProt Entry Name      | Q09LL4_HUMAN  |

**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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd40-antibody-clone-ea-5-flow-cytometry-elisa/78177>