

## Mouse CD40/TNFRSF5 ELISA Kit | CD40 elisa kit

Mouse CD40/TNFRSF5 PicoKine Quick ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA126802</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

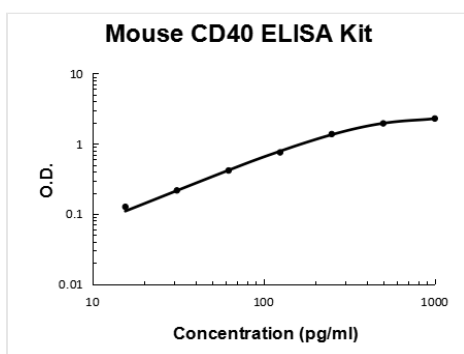
### PRODUCT SYNONYMS

CD40/TNFRSF5; Mouse CD40/TNFRSF5 PicoKine Quick ELISA Kit; CD40 elisa kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Mouse                                                                                                                                                                                           |
| Specificity                                | Natural and recombinant Mouse Cd40                                                                                                                                                              |
| Assay Type                                 | Sandwich                                                                                                                                                                                        |
| Samples                                    | Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                                                                                       |
| Detection Range                            | 15.6 pg/ml - 1,000 pg/ml                                                                                                                                                                        |
| Sensitivity                                | <1 pg/ml                                                                                                                                                                                        |
| Applicable Applications for CD40 elisa kit | ELISA                                                                                                                                                                                           |
| Intra-assay Precision                      | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.                                               |
| Inter-assay Precision                      | Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.                                           |
| Preparation and Storage                    | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.) |

### IMAGES



Standard Curve (Sample)

Mouse CD40 PicoKine ELISA Kit standard curve

## ADDITIONAL INFORMATION

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| Related Product Information for CD40 elisa kit | <p>Background: CD40 is a cell surface receptor that is expressed on the surface of all mature B cells, most mature B-cell malignancies, and some early B-cell acute lymphocytic leukemias, but is not expressed on plasma cells. The CD40 gene is localized to the long arm of chromosome 20, bands q12-q13.2. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation.</p> <p>Principle of the Assay: The Quick Picokine™ Mouse Cd40 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cd40 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Cd40 protein as standards. To measure Mouse Cd40, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Cd40 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cd40 in the sample.</p> |
| Product Categories/Family for CD40 elisa kit   | PicoKine ELISA Kits, Fast ELISA Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 172046819                                                                                                                                                                              |
| NCBI GeneID                      | 21939                                                                                                                                                                                  |
| UniProt Accession #              | P27512; Q3TS33; Q3TSL2; Q3U799; Q3U7C9; Q3UBH3; Q542B1; Q8K2X6; Q99NE0; Q99NE1; Q99NE2; Q99NE3                                                                                         |
| Molecular Weight                 | 28,878 Da                                                                                                                                                                              |
| 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; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; 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.

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