

## Mouse CD40L ELISA Kit | CD40L elisa kit

Mouse CD40L PicoKine Quick ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA128064</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

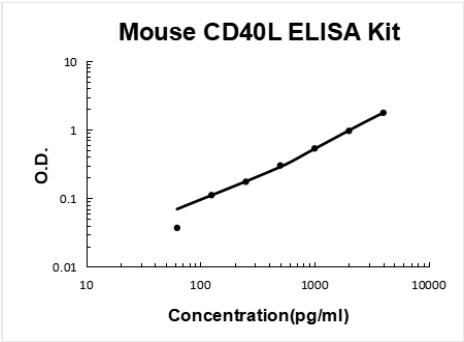
CD40L; Mouse CD40L PicoKine Quick ELISA Kit; CD40 ligand; CD40-L; T-cell antigen Gp39; TNF-related activation protein; TRAP; Tumor necrosis factor ligand superfamily member 5; CD154; membrane form; soluble form; Cd40lg; Cd40l; Tnfsf5; CD40L elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                           |
| Samples                                           | cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                                                                                                                                                                                                                                                                                       |
| Assay Range                                       | 62.5pg/ml-4,000pg/ml                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity                                       | <10pg/ml                                                                                                                                                                                                                                                                                                                                                                                        |
| Capture antibody and Detection antibody           | monoclonal antibody from rat polyclonal antibody from goat                                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                         | Expression system for standard: NS0; Immunogen sequence: E61-L260                                                                                                                                                                                                                                                                                                                               |
| Anticoagulant                                     | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                 |
| Cross Reactivity                                  | There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for CD40L elisa kit       | ELISA                                                                                                                                                                                                                                                                                                                                                                                           |
| Kit Components                                    | Description/Quantity<br>Pre-coated 96-well strip microplate/1<br>Standard/2 vials, 4 ng/tube<br>Biotinylated antibody (100x)/100ul<br>Avidin-Biotin-Peroxidase Complex (100x)/100ul<br>Sample Diluent/30ml<br>Antibody Diluent/12ml<br>Avidin-Biotin-Peroxidase Diluent/12ml<br>Color Developing Reagent (TMB)/10ml<br>Stop Solution/10ml<br>Wash Buffer (25x)/20ml<br>Adhesive plate sealers/4 |
| Materials Required But Not Provided               | Microplate Reader capable of reading absorbance at 450nm.<br>Incubator.<br>Automated plate washer (optional).<br>Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions.<br>Multichannel pipettes are recommended for large amount of samples.<br>Deionized or distilled water.<br>500ml graduated cylinders.<br>Test tubes for dilution.     |
| Sample Data                                       | Concentration (pg/ml)062.51252505001000200040000.D.0.0550.0920.1660.2290.3560.5881.0161.822                                                                                                                                                                                                                                                                                                     |
| Intra Assay Consistency & Inter Assay Consistency | Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean<br>(pg/ml)20269810261857161058Standard deviation13.9339.087914.0652.2685.69CV<br>(%)6.9%5.6%7.7%7.6%7.3%8.1%                                                                                                                                                                                                            |

|                         |                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reproducibility         | LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample<br>120221318020119911.935.9%Sample 269864872761667243.046.4%Sample<br>3102610409771103103644.954.3%*number of samples for each test n=16. |
| Preparation and Storage | Store at 4 degree C for 6 months. (Ships with gel ice, can store for up to 3 days in room temperature. Refrigerate upon receipt.)                                                                                                            |

### IMAGES



Standard Curve (Sample)  
 Mouse CD40L PicoKine ELISA Kit standard curve

### ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD40L elisa kit | The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays. |
| Product Categories/Family for CD40L elisa kit   | <a href="#">Quick ELISA Kits</a>                                                                                                                                                                                                                                                    |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">15011846</a>                                                               |
| NCBI GeneID                      | <a href="#">21947</a>                                                                  |
| NCBI Accession #                 | <a href="#">NP_035746.2</a>                                                            |
| NCBI GenBank Nucleotide #        | <a href="#">NM_011616.2</a>                                                            |
| UniProt Accession #              | <a href="#">P27548</a>                                                                 |
| Molecular Weight                 | 29,370 Da                                                                              |
| NCBI Official Full Name          | CD40 ligand                                                                            |
| NCBI Official Synonym Full Names | CD40 ligand                                                                            |
| NCBI Official Symbol             | Cd40lg                                                                                 |
| NCBI Official Synonym Symbols    | IGM; IMD3; Ly62; TRAP; gp39; CD154; Cd40l; HIGM1; Ly-62; T-BAM; CD40-L; Tnfsf5; Tnlg8b |
| NCBI Protein Information         | CD40 ligand                                                                            |
| UniProt Protein Name             | CD40 ligand                                                                            |
| UniProt Gene Name                | <b>Cd40lg</b>                                                                          |
| UniProt Synonym Gene Names       | Cd40l; Tnfsf5; CD40-L; TRAP                                                            |
| UniProt Entry Name               | CD40L_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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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cd40l/128064>