

## Mouse CD30 ELISA Kit | TNFRSF8 elisa kit

Mouse CD30 PicoKine ELISA Kit

CATALOG #  
**AAA46001**

REACTIVITY  
**Mouse**

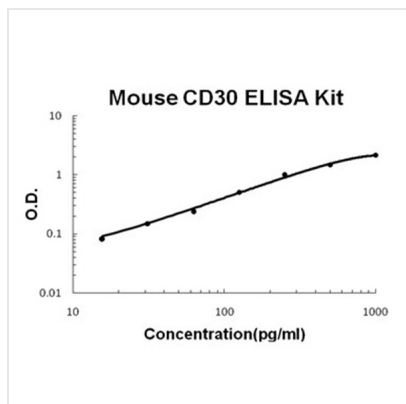
### PRODUCT SYNONYMS

CD30; Mouse CD30 PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 8; tumor necrosis factor receptor superfamily; member 8; CD 30; CD153; CD30 antigen; CD30L receptor; Cytokine receptor CD30; D1S166E; KI 1; Ki 1 antigen; Ki-1 antigen; KI1; Lymphocyte activation antigen CD30; TNFRSF 8; TNFRSF8; TNR8\_HUMAN; Tumor Necrosis Factor Receptor Superfamily Member 8; TNFRSF8 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant mouse CD30                                                                                                                    |
| Sequence Length         | 498                                                                                                                                                   |
| Samples                 | Cell culture supernates and serum                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                   |
| Sensitivity             | < 10pg/ml                                                                                                                                             |
| 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 between 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 (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Mouse CD30 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TNFRSF8 elisa kit | <p><b>Principle of the assay:</b> mouse CD30 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD30 has been precoated onto 96-well plates. Standards(NSO, F19-T281) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD30 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CD30 amount of sample captured in plate.</p> <p><b>Background:</b> CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. This gene is mapped to 1p36.22. CD30 is expressed in embryonal carcinoma but not in seminoma and is thus a useful marker in distinguishing between these germ cell tumors. CD30 mast cell activation represents an IgE-independent activation pathway, which is important for understanding cutaneous inflammation associated with mast cells. In addition to those, CD30 is also associated with anaplastic large cell lymphoma.</p> |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21264091                                                                                                |
| NCBI GeneID                      | 21941                                                                                                   |
| UniProt Accession #              | Q60846                                                                                                  |
| Molecular Weight                 | 53,216 Da                                                                                               |
| NCBI Official Full Name          | Tumor necrosis factor receptor superfamily member 8                                                     |
| NCBI Official Synonym Full Names | tumor necrosis factor receptor superfamily, member 8                                                    |
| NCBI Official Symbol             | Tnfrsf8                                                                                                 |
| NCBI Official Synonym Symbols    | Ki; Cd30; Ki-1; D1S166E                                                                                 |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 8; CD30L receptor; lymphocyte activation antigen CD30 |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 8                                                     |
| UniProt Gene Name                | Tnfrsf8                                                                                                 |
| UniProt Entry Name               | TNR8_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.