

Mouse CD40/TNFRSF5 ELISA Kit | CD40 elisa kit

Mouse CD40/TNFRSF5 PicoKine ELISA Kit

CATALOG #
AAA45269

REACTIVITY
Mouse

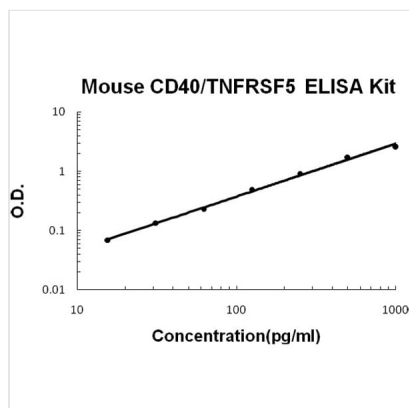
PRODUCT SYNONYMS

CD40/TNFRSF5; Mouse CD40/TNFRSF5 PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 5; CD40 molecule; TNF receptor superfamily member 5; AI326936; B cell associated molecule; B cell associated molecule CD40; B cell surface antigen CD40; Bp50; CD 40; CD40 antigen; CD40 antigen (TNF receptor superfamily member 5); CD40 molecule TNF receptor superfamily member 5; CD40 protein; CD40 type II isoform; CD40L receptor; CDw40; GP39; HIGM1; IGM; MGC9013; Nerve growth factor receptor related B lymphocyte activation molecule; NFRSF5; OTTHUMP00000031699; OTTHUMP00000031700; p50; T BAM; TBAM; TNFRSF5; TRAP; Tumor necrosis factor receptor superfamily member 5 precursor; Tumor necrosis factor receptor superfamily; member 5; isoform CRA_a; CD40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD40
Sequence Length	289
Samples	Cell culture supernates, Cell lysates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/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 CD40/TNFRSF5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD40 elisa kit

Principle of the assay: mouse CD40 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD40 has been precoated onto 96-well plates. Standards(NSO,V24 - R193) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD40 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 CD40 amount of sample captured in plate.

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.¹The CD40 gene is localized to the long arm of chromosome 20, bands q12-q13.2.²The 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.³

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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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/cd40-tnfrsf5/45269>