

Mouse CD 40 Ligand ELISA Kit | CD40L elisa kit

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CATALOG #
AAA87072

REACTIVITY
Mouse

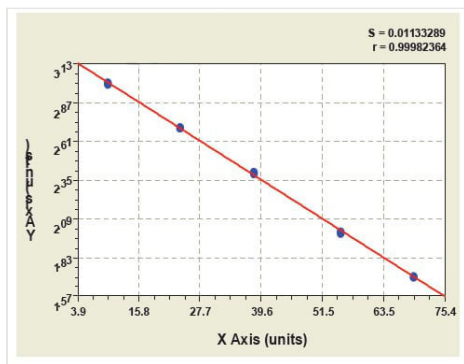
PRODUCT SYNONYMS

CD 40 Ligand; Mouse CD 40 Ligand ELISA Kit; CD40L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CD40L ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD40L. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD40L elisa kit

Principle of the Assay: CD40L ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD40L antibody and an CD40L-HRP conjugate. The assay sample and buffer are incubated together with CD40L-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD40L concentration since CD40L from samples and CD40L-HRP conjugate compete for the anti-CD40L antibody binding site. Since the number of sites is limited, as more sites are occupied by CD40L from the sample, fewer sites are left to bind CD40L-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD40L concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1
NCBI GenBank Nucleotide #	NM_000074.2
Molecular Weight	29,274 Da
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand; CD40-L; CD40 antigen ligand; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP
UniProt Entry Name	CD40L_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.