

Rat CD 40 Ligand ELISA Kit | CD40L elisa kit

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CATALOG #
AAA86872

REACTIVITY
Rat

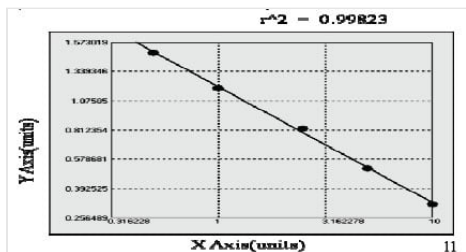
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This CD40L ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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.

Product Categories/Family for CD40L elisa kit

Immunology

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.

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Online datasheet: <https://stage.aaabiotech.com/cd40l-rat-elisa-kits/cd-40-ligand/86872>