

Human Cluster Of Differentiation 40 Ligand (CD40L) ELISA Kit | CD40L elisa kit

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CATALOG #
AAA182927

REACTIVITY
Human

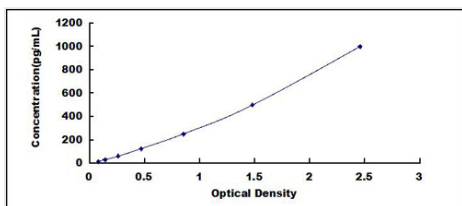
PRODUCT SYNONYMS

Cluster Of Differentiation 40 Ligand (CD40L); Human Cluster Of Differentiation 40 Ligand (CD40L) ELISA Kit; CD154; TRAP; HIGM1; IGM; IMD3; TBAM; T-BAM; TNFSF5; Gp39; TNF Superfamily Member 5; Hyper-IgM Syndrome; TNF-Related Activation Protein; T-Cell B-Cell Activating Molecule; CD40L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cluster Of Differentiation 40 Ligand (CD40L). No significant cross-reactivity or interference between Cluster Of Differentiation 40 Ligand (CD40L) and analogues was observed.
Sequence Length	261
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cluster Of Differentiation 40 Ligand (CD40L) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cluster Of Differentiation 40 Ligand (CD40L) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD40L elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cluster Of Differentiation 40 Ligand (CD40L). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cluster Of Differentiation 40 Ligand (CD40L). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cluster Of Differentiation 40 Ligand (CD40L), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cluster Of Differentiation 40 Ligand (CD40L) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557433
NCBI GeneID	959
NCBI Accession #	NP_000065.1
NCBI GenBank Nucleotide #	NM_000074.2
UniProt Accession #	P29965
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
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP

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/human-elisa-kits/cluster-of-differentiation-40-ligand-cd40l/182927>