

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

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CATALOG #
AAA66513

REACTIVITY
Canine

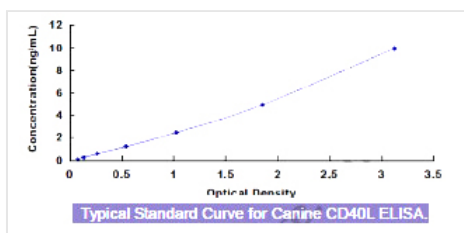
PRODUCT SYNONYMS

Cluster Of Differentiation 40 Ligand (CD40L); Canine 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	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CD40L. No significant cross-reactivity or interference between CD40L and analogues was observed.
Sequence Length	260
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.032ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD40L were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD40L were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD40L elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD40L in canine serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CD40L. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	50950205
NCBI GeneID	403468
NCBI Accession #	NP_001002981.1
NCBI GenBank Nucleotide #	NM_001002981.1
UniProt Accession #	O97626
Molecular Weight	28,688 Da
NCBI Official Full Name	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	CD154; TNFSF5
NCBI Protein Information	CD40 ligand
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; CD40-L

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/canine-elisa-kits/cluster-of-differentiation-40-ligand-cd40l/66513>